CAS ONLINE PRINTOUT

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(FILE 'HOME' ENTERED AT 10:52:23 ON 01 SEP 2007)

FILE 'REGISTRY' ENTERED AT 10:52:35 ON 01 SEP 2007
L1 STRUCTURE UPLOADED
L2 2 S L1
L3 123 S L1 FUL

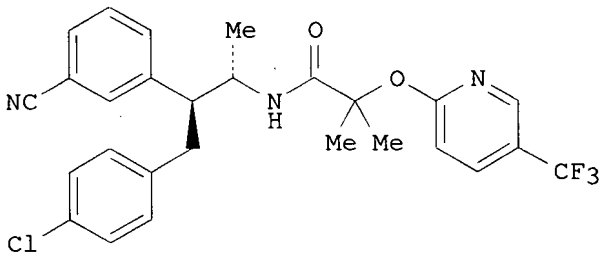
FILE 'CAPLUS' ENTERED AT 10:53:37 ON 01 SEP 2007
L4 70 S L3
L5 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 11:02:08 ON 01 SEP 2007
L6 20 SEARCH L1 CSS SUB=L3 FULL

FILE 'CAPLUS' ENTERED AT 11:02:42 ON 01 SEP 2007
L7 13 S L6

=> d bib abs hitstr 1-13

L7 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:1349256 CAPLUS
DN 146:197744
TI Discovery of N-[(1S,2S)-3-(4-Chlorophenyl)-2- (3-cyanophenyl)-1-methylpropyl]-2-methyl-2- {[5-(trifluoromethyl)pyridin-2-yl]oxy}propanamide (MK-0364), a Novel, Acyclic Cannabinoid-1 Receptor Inverse Agonist for the Treatment of Obesity
AU Lin, Linus S.; Lanza, Thomas J., Jr.; Jewell, James P.; Liu, Ping; Shah, Shrenik K.; Qi, Hongbo; Tong, Xinchun; Wang, Junying; Xu, Suoyu S.; Fong, Tung M.; Shen, Chun-Pyn; Lao, Julie; Xiao, Jing Chen; Shearman, Lauren P.; Stribling, D. Sloan; Rosko, Kimberly; Strack, Alison; Marsh, Donald J.; Feng, Yue; Kumar, Sanjeev; Samuel, Koppara; Yin, Wenji; Van der Ploeg, Lex H. T.; Goulet, Mark T.; Hagmann, William K.
CS Department of Medicinal Chemistry, Merck Research Laboratories, Rahway, NJ, 07065, USA
SO Journal of Medicinal Chemistry (2006), 49(26), 7584-7587
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
GI



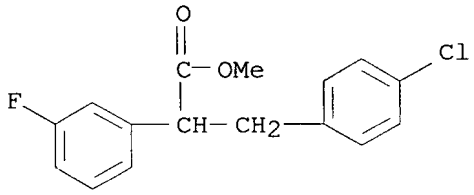
I

AB The discovery of novel acyclic amide cannabinoid-1 receptor inverse agonists is described. They are potent, selective, orally bioavailable, and active in rodent models of food intake and body weight reduction A major focus of the optimization process was to increase in vivo efficacy and to reduce the potential for formation of reactive metabolites. These efforts

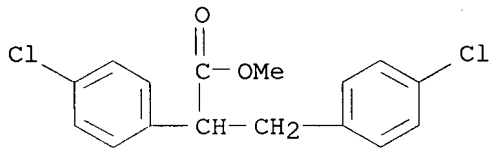
led to the identification of compound 48 (I)for development as a clin. candidate for the treatment of obesity.

IT 605679-99-0P 605680-28-2P 922501-65-3P
922501-66-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(Discovery of N-[(1S,2S)-3-(4-Chlorophenyl)-2- (3-cyanophenyl)-1-methylpropyl]-2-methyl-2-{[5-(trifluoromethyl)pyridin-2-yl]oxy}propanamide (MK-0364), a Novel, Acyclic Cannabinoid-1 Receptor Inverse Agonist for the Treatment of Obesity)

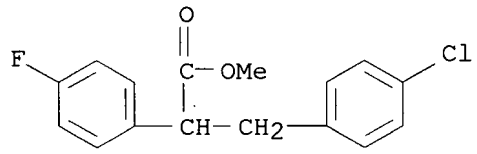
RN 605679-99-0 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(3-fluorophenyl)-, methyl ester (CA INDEX NAME)



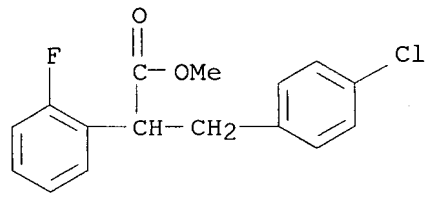
RN 605680-28-2 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



RN 922501-65-3 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(4-fluorophenyl)-, methyl ester (CA INDEX NAME)



RN 922501-66-4 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(2-fluorophenyl)-, methyl ester (CA INDEX NAME)



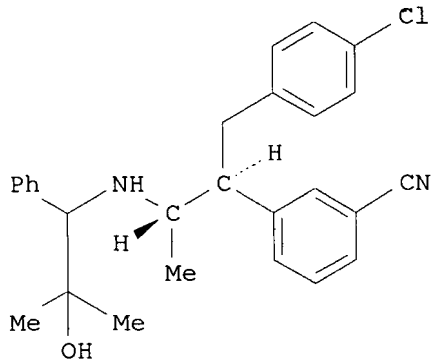
CAS ONLINE PRINTOUT

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:429384 CAPLUS
DN 142:481820
TI Preparation of aralkyl amines as cannabinoid-1 receptor modulators
IN Shah, Shrenik K.; Truong, Quang T.; Qi, Hongbo; Hagmann, William K.
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 137 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005044785	A1	20050519	WO 2004-US35846	20041027
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004287849	A1	20050519	AU 2004-287849	20041027
	CA 2543882	A1	20050519	CA 2004-2543882	20041027
	EP 1682494	A1	20060726	EP 2004-796666	20041027
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1871208	A	20061129	CN 2004-80031512	20041027
	JP 2007510647	T	20070426	JP 2006-538259	20041027
	IN 2006DN01892	A	20070615	IN 2006-DN1892	20060407
	US 2007088058	A1	20070419	US 2006-576381	20060419
PRAI	US 2003-515705P	P	20031030		
	WO 2004-US35846	W	20041027		

OS MARPAT 142:481820
GI



I

CAS ONLINE PRINTOUT

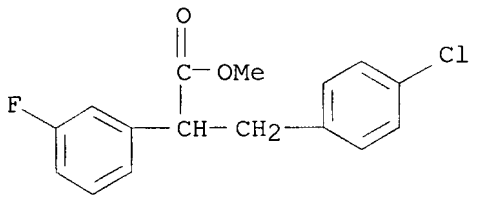
AB Aralkyl amines ((Ar1X)C(R1)(CH2)CH(R2)N(R3)(CH2)(R4)(R5)Ar3 (I); variables defined below; e.g. 2 diastereomers of 3-[1-(4-chlorobenzyl)-3-(S*)-[[2-hydroxy-2-methyl-1-(R*)-phenylpropyl]amino]propyl]benzonitrile (shown as II)) are antagonists and/or inverse agonists of the Cannabinoid 1 (CB1) receptor and are useful in the treatment, prevention and suppression of diseases mediated by the CB1 receptor. The compds. of the present invention are useful as centrally acting drugs in the treatment of psychosis, memory deficits, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders including multiple sclerosis and Guillain-Barre syndrome and the inflammatory sequelae of viral encephalitis, cerebral vascular accidents, and head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, movement disorders, and schizophrenia. The compds. are also useful for the treatment of substance abuse disorders, including alc. and nicotine addiction, the treatment of obesity or eating disorders, as well as the treatment of asthma, constipation, chronic intestinal pseudo-obstruction, and cirrhosis of the liver. For I: R1 = H, C1-4alkyl, (un)substituted with 1-3 Re, halogen, and -ORd; R2 = H, C1-4alkyl, and aryl, wherein each alkyl and aryl moiety is (un)substituted with 1-3 Re; R3 = H, and C1-4alkyl, (un)substituted with 1-3 Re; R4 = H, C1-10alkyl, C2-10alkenyl, C2-10alkynyl, C1-10alkyloxycarbonyl-, C3-10cycloalkyl, aryl C1-6alkyl-, and heteroaryl-C1-6-alkyl-, wherein each alkyl, alkenyl, and alkynyl moiety is (un)substituted with 1-4 Ra and each aryl, heteroaryl, and cycloalkyl moiety is (un)substituted with 1-3 Rb and oxo; R5 = H, and C1-4alkyl, (un)substituted with 1-3 Re. Ar1 = C1-10alkyl, C2-10alkenyl, C2-10alkynyl, C3-10cycloalkyl, cycloheteroalkyl, aryl, and heteroaryl, wherein each alkyl, alkenyl, and alkynyl moiety is (un)substituted with 1-3 Ra, each aryl and heteroaryl moiety is (un)substituted with 1-4 Rb and each cycloalkyl and cycloheteroalkyl moiety is (un)substituted with 1-4 Rb and oxo; Ar2 = -ORd, -CO2Rd, C3-10cycloalkyl, cycloheteroalkyl, aryl, and heteroaryl, wherein each cycloalkyl, cycloheteroalkyl moiety is (un)substituted with 1-4 Rb and oxo and each aryl and heteroaryl moiety is (un)substituted with 1-4 Rb; Ar3 = cycloalkyl, aryl, and heteroaryl, wherein each cycloalkyl, aryl and heteroaryl moiety is (un)substituted with 1-4 Rb; X = a bond, C1-4alkyl, O, S, and -NRc-, provided that when X is O, S, or -NRc-, then R1 is H or C1-4alkyl and Ar2 is not -ORd; addnl. details are given in the claims. Although the methods of preparation are not claimed, >100 example prepns. and/or characterization data for I are included. For example, II was prepared from [3-(4-chlorophenyl)-2-(S*)-(3-cyanophenyl)-1-(S*)-methylpropyl]amine, 2-hydroxy-2-methylpropiophenone and NaHB(OAc)3 in dichloroethane. Compds. I were tested in a CB1 binding assay and found to have an IC50 value of ≤2 μM. Selective CB1 antagonist/inverse agonist compds. have IC50s 100-fold greater in the CB2 binding assay than in the CB1 assay, and generally have IC50s >1μM in the CB2 binding assay. CB1 antagonist/inverse agonist compds. I generally have EC50s of <1 μM in a CB1 functional assay and selective CB1 antagonist/inverse agonists generally have EC50s >1 μM in the CB2 functional assay.

IT 605679-99-0P, Methyl 3-(4-Chlorophenyl)-2-(3-fluorophenyl)propionate 605680-28-2P, Methyl 2,3-Bis(4-chlorophenyl)propionate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aralkyl amines as cannabinoid-1 receptor modulators)

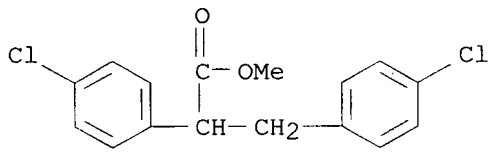
RN 605679-99-0 CAPLUS

CN Benzenepropanoic acid, 4-chloro-α-(3-fluorophenyl)-, methyl ester (CA INDEX NAME)

CAS ONLINE PRINTOUT



RN 605680-28-2 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:281753 CAPLUS
DN 142:355050
TI Preparation of aryl sulfonamides as cannabinoid CB1 receptor antagonists and/or inverse agonists.
IN Armstrong, Helen M.; Chang, Linda L.; Guthikonda, Ravindra N.; Hagmann, William K.; Lin, Linus S.; Shah, Shrenik K.
PA Merck & Co., Inc.us, USA
SO PCT Int. Appl., 122 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005027837	A2	20050331	WO 2004-US30122	20040914
	WO 2005027837	A3	20061005		
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	AU 2004273865	A1	20050331	AU 2004-273865	20040914
	CA 2538291	A1	20050331	CA 2004-2538291	20040914
	EP 1663113	A2	20060607	EP 2004-784093	20040914
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	CN 1956949	A	20070502	CN 2004-80026822	20040914
	JP 2007521322	T	20070802	JP 2006-526984	20040914
	IN 2006DN00879	A	20070810	IN 2006-DN879	20060220

CAS ONLINE PRINTOUT

	US 2007[illegible]5914	A1	20070510	US 2006-571842	20060315
PRAI	US 2003-[illegible]04377P	P	20030918		
	WO 2004-US30122	W	20040914		

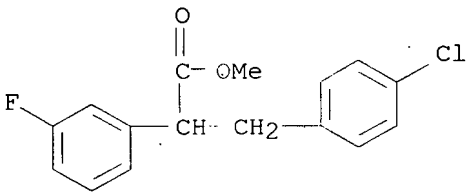
OS CASREACT 142:355050; MARPAT 142:355050

AB R1R2R6CCR3R7NR4SO2R5 [I; R1 = (substituted) alkyl, cycloalkyl(alkyl), cycloheteroalkyl(alkyl), (hetero)aryl(alkyl), etc.; R2 = (substituted) alkyl, cycloalkyl(alkyl), cycloheteroalkyl(alkyl), (hetero)aryl(alkyl); R3, R7 = H, (substituted) alkyl, cycloalkyl(alkyl), (hetero)aryl(alkyl), cycloheteroalkyl(alkyl); R4 = H, (substituted) alkyl; R5 = (substituted) alkyl, alkenyl, alkynyl, cycloheteroalkyl(alkyl), cycloalkyl(alkyl), (hetero)aryl(alkyl), etc.; R6 = H, OH, alkyl, halo, cyano; with provisos], were prepared Thus, 2-amino-3,4-bis(4-chlorophenyl)butane hydrochloride, diisopropylethylamine, and tert-butylsulfinyl chloride were stirred together in CH2Cl2 for 2 h to give N-[2,3-bis(4-chlorophenyl)-1-methylpropyl]-2-methyl-2-propanesulfinimide. This was stirred with m-ClC6H4C(O)OOH in CH2Cl2 to give N-[2,3-bis(4-chlorophenyl)-1-methylpropyl]-2-methyl-2-propanesulfonimide. I generally have EC50 values of <1 μM in a CB1 functional assay.

IT 605679-99-0P, Methyl 3-(4-chlorophenyl)-2-(3-fluorophenyl)propionate 605680-28-2P, Methyl 2,3-bis(4-chlorophenyl)propionate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aryl sulfonamides as cannabinoid CB1 receptor antagonists and/or inverse agonists)

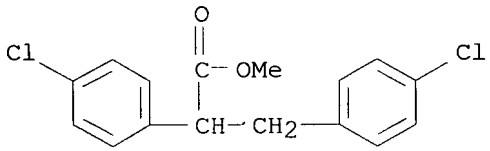
RN 605679-99-0 CAPLUS

CN Benzenepropanoic acid, 4-chloro-α-(3-fluorophenyl)-, methyl ester (CA INDEX NAME)



RN 605680-28-2 CAPLUS

CN Benzenepropanoic acid, 4-chloro-α-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



L7 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2003:837028 CAPLUS

DN 139:337785

TI Preparation of substituted arylamides as cannabinoid-1 receptor antagonists and/or inverse agonists for use as psychotropic drugs

IN Hagmann, William K.; Lin, Linus S.; Shah, Shrenik K.

PA Merck & Co., Inc., USA

SO PCT Int. Appl., 191 pp.
CODEN: PIXXD2

CAS ON. :E PRINTOUT

DT P.. nt
LA E: ish
FAN.CN

	P.	NT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	W'	003087037	A1	20031023	WO 2003-US9800	20030401
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		RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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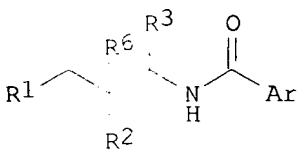
	AU	2003226149	A1	20031027	AU 2003-226149	20030401
	EP	494997	A1	20050112	EP 2003-746565	20030401
		R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US	2005154202	A1	20050714	US 2003-509277	20030401
	JP	2005527586	T	20050915	JP 2003-583993	20030401
PRAI	US	2002-370553P	P	20020405		
	WO	2003-US9800	W	20030401		

OS MARPAT 139:337785
GI



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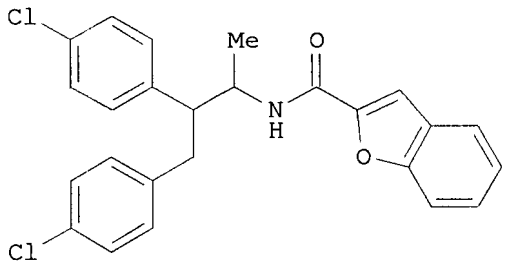


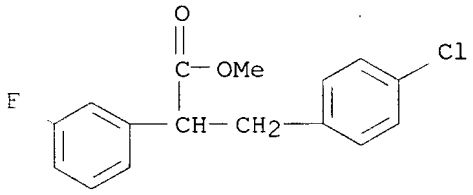
II

AB Title compds. I [wherein R1 = (un)substituted alkyl, (hetero)cycloalkyl, or (hetero)aryl; R2 = (un)substituted (hetero)cycloalkyl, (hetero)aryl, ORd, NRcRd, or CO2Rd; R3 = H or (un)substituted alkyl; R6 = H, halo, CN, NRcRd, or (un)substituted alkyl, alkenyl, or alkynyl; Ar = (un)substituted (hetero)aryl; Rc and Rd = independently H or (un)substituted alkyl, alkenyl, alkynyl, (hetero)cycloalkyl(alkyl), or (hetero)aryl(alkyl); or NRcRd = (un)substituted heterocyclyl; or two ORc groups together with the atoms to which they are attached = (un)substituted heterocyclyl; with provisos; and pharmaceutically acceptable salts thereof] were prepared by conventional and automated synthesis methods as antagonists and/or inverse agonists of the cannabinoid-1 (CB1) receptor (no data). For example, 2,3-bis(4-chlorophenyl)-1-methylpropylamine•HCl was acylated with 2-benzofurancarboxylic acid in the presence of PyBop and TEA in CH2Cl2 to give the desired amide II. I and their pharmaceutical compns. are useful as psychotropic drugs in the treatment of psychosis, memory deficits, cognitive disorders, migraine, neuropathy, neuroinflammatory disorders, including multiple sclerosis and Guillain-Barre syndrome, and the inflammatory sequelae of viral encephalitis, cerebral vascular accidents,

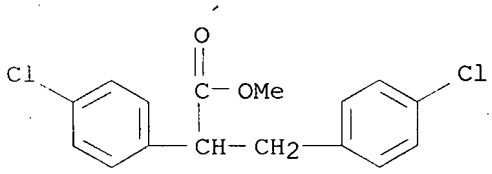
and head trauma, anxiety disorde , s , epilepsy, Parkinson's disease, movement disorders, and schizoph ia data). In addition, I and their pharmaceutical compns. are usefu or treatment of substance abuse disorders, the treatment of obesi ; o ing disorders, as well as the treatment of asthma, constipatio ch intestinal pseudo-obstruction, and cirrhosis of the liver (no da).

IT 605679-99-0P, Methyl 3-(4-Chloro eny (3-fluorophenyl)propionate 605680-28 2P, yl 2,3-Bis(4-chlorophenyl)propionate
RL: RCT (Reactant); SPN (Synthet pre tion); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of subst ed arylamides as CB1 receptor antagonists and/or inverse agonists use as psychotropic drugs)

RN 605679-99-0 CAPLUS
CN Benzenepropanoic acid, 4-chloro- (3-f ophenyl)-, methyl ester (CA INDEX NAME)



RN 605680-28-2 CAPLUS
CN Benzenepropanoic acid, 4-chloro- (4-ch ophenyl)-, methyl ester (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:836767 CAPLUS
DN 139:337784
TI Preparation of substituted bicyclic arylamide cannabinoid-1 receptor antagonists and/or inverse agonists for use as psychotropic drugs
IN Castonguay, Laurie A.; Hagmann, William K.; Lin, Linus S.; Shah, Shrenik K.
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 189 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003086288	A2	20031023	WO 2003-US10740	20030408
	WO 2003086288	A3	20040805		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2481313	A1	20031023	CA 2003-2481313	20030408
AU 2003223510	A1	20031027	AU 2003-223510	20030408
EP 1499306	A2	20050126	EP 2003-719642	20030408
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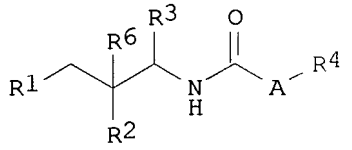
JP 2005534621	T	20051117	JP 2003-583315	20030408
US 2005203112	A1	20050915	US 2004-509584	20040929
PRAI US 2002-372234P	P	20020412		
WO 2003-US10740	W	20030408		
OS MARPAT 139:337784				
GI				



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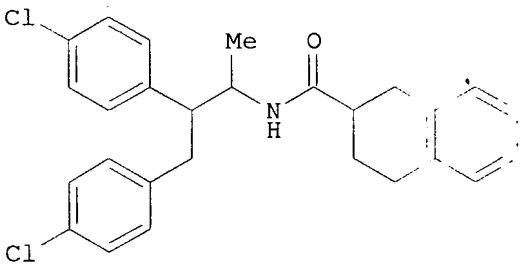


II

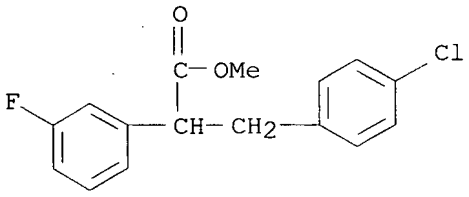
AB Title compds. I [wherein R1 = (un)substituted alkyl (hetero)cycloalkyl, or (hetero)aryl; R2 = (un)substituted (hetero)cycloalkyl, (hetero)aryl, ORd, NRcRd, or CO2Rd; R3 = (un)substituted (cyclo)alkyl, alkenyl, or alkynyl; R4 = H, ORc, CO2Rc, OCORc, OCO2Rc, OCONRdRe, NRdRe, NHCO2Rc, NRcSO2Rc, SO1-2Rc, or (un)substituted alkyl, alkenyl, alkynyl, or (hetero)aryl; R6 = H, halo, CN, NRcRd, or (un)substituted alkyl, alkenyl, or alkynyl; A = 3- to 8-membered (un)substituted monocyclic saturated ring incorporating the same C to which R4 is attached and optionally containing 1-2 heteroatoms, and to which a (hetero)aryl ring is fused, wherein said bicyclic ring is optionally fused to another (hetero)aryl ring to form a tricyclic ring; Rc and Rd = independently H or (un)substituted alkyl, alkenyl, alkynyl, (hetero)cycloalkyl(alkyl), or (hetero)aryl(alkyl); or NRcRd = (un)substituted heterocyclyl; or two ORc groups together with the atoms to which they are attached = (un)substituted heterocyclyl; Re = H, (cyclo)alkyl, alkenyl, alkynyl, (hetero)cycloalkyl(alkyl), or (hetero)aryl(alkyl); and pharmaceutically acceptable salts thereof] were prepared by conventional and automated synthesis methods as antagonists and/or inverse agonists of the cannabinoid-1 (CB1) receptor (no data).

CAS ONLINE PRINTOUT

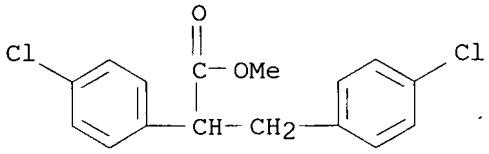
For example, 1,2,3,4-tetrahydro-2-naphthoic acid was converted to the acyl chloride using oxalyl chloride and DMF in CH2Cl2. Acylation of 2,3-bis(4-chlorophenyl)-1-methylpropylamine•HCl with the naphthoic acid chloride in the presence of diisopropylethylamine in CH2Cl2 provided a diastereomeric mixture of amides II, which were separated on a silica gel column. I and their pharmaceutical compns. are useful as psychotropic drugs in the treatment of psychosis, memory deficits, cognitive disorders, migraine, neuropathy, neuroinflammatory disorders, including multiple sclerosis and Guillain-Barre syndrome, and the inflammatory sequelae of viral encephalitis, cerebral vascular accidents, and head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, movement disorders, and schizophrenia (no data). In addition, I and their pharmaceutical compns. are useful for the treatment of substance abuse disorders, the treatment of obesity or eating disorders, as well as the treatment of asthma, constipation, chronic intestinal pseudo-obstruction, and cirrhosis of the liver (no data). Novel compds. of the structural formula (I) are antagonists and/or inverse agonists of the Cannabinoid-1 (CB1) receptor and are useful in the treatment, prevention and suppression of diseases mediated by the CB1 receptor.

IT 605679-99-0P, Methyl 3-(4-Chlorophenyl)-2-(3-fluorophenyl)propionate 605680-28-2P, Methyl 2,3-Bis(4-chlorophenyl)propionate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of substituted bicyclic arylamide CB1 receptor antagonists and/or inverse agonists for use as psychotropic drugs)

RN 605679-99-0 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(3-fluorophenyl)-, methyl ester (CA INDEX NAME)



RN 605680-28-2 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



L7 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:796415 CAPLUS
DN 139:307605
TI Preparation of spirocyclic carboxamides as cannabinoid receptor modulators
IN Hagmann, William K.; Lin, Linus S.; Shah, Shrenik K.; Goulet, Mark T.; Jewell, James P.
PA Merck & Co:, Inc., USA
SO PCT Int. Appl., 224 pp.

CAS ONLINE PRINTOUT

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003082190	A2	20031009	WO 2003-US8722	20030321
	WO 2003082190	A3	20040219		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2479618	A1	20031009	CA 2003-2479618	20030321
	AU 2003215024	A1	20031013	AU 2003-215024	20030321
	EP 1490043	A2	20041229	EP 2003-711667	20030321
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2005528366	T	20050922	JP 2003-579733	20030321
	US 2005239828	A1	20051027	US 2004-507864	20040916
PRAI	US 2002-367655P	P	20020326		
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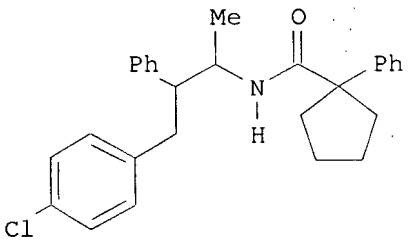
OS MARPAT 139:307605
GI



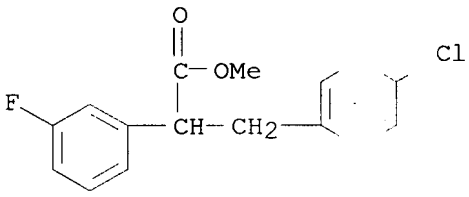
I

AB R1CH2CR2R3CHR4NHCOA [R1 = (un)substituted alkyl, cycloalkyl, heterocyclic, aryl; R2 = (un)substituted cycloalkyl, heterocyclic, aryl, OH, NH2, CO2H; R3 = H, (un)substituted alkyl, alkenyl, alkynyl, OH, NH2, halogen, CN; R4 = H, (un)substituted alkyl; A = (un)substituted 3-8-membered carbocyclic ring] were prepared and are antagonists and/or inverse agonists of the cannabinoid-1 (CB1) receptor, useful as psychotropic drugs in the treatment of psychosis, memory deficits, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders including multiple sclerosis and Guillain-Barre syndrome and the inflammatory sequelae of viral encephalitis, cerebral vascular accidents, and head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, movement disorders, and schizophrenia. The compds. are also useful for the treatment of substance abuse disorders, the treatment of obesity or eating disorders, as well as, the treatment of asthma, constipation, chronic intestinal pseudo-obstruction, and cirrhosis of the liver. Thus, PhCH2CO2Me was treated with 4-ClC6H4CH2Br to give 4-ClC6H4CH2CHPhCO2Me which was hydrolyzed to the acid, converted to 4-ClC6H4CH2CHPhCONMeOMe, and treated with MeMgBr to give 4-ClC6H4CH2CHPhCOMe. This ketone was reduced to the alc., converted to the mesylate and then to the azide which was reduced to

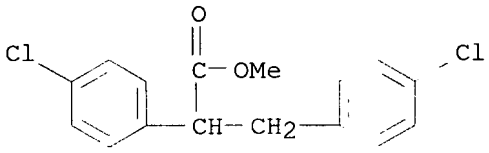
4-ClC6H4CH2CHPhCHMeNH2.HCl. Treatment of this amine with phenylcyclopentanecarboxylic acid gave the amide I.

IT 605679-99-0P 605680-28-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of spirocyclic carboxamides as cannabinoid receptor modulators)

RN 605679-99-0 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(3-fluorophenyl)-, methyl ester (CA INDEX NAME)



RN 605680-28-2 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



L7 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:757469 CAPLUS
DN 139:276471
TI Preparation of substituted amides as antagonists and/or inverse agonists of the cannabinoid-1 receptor for therapy
IN Hagmann, William K.; Lin, Linus S.; Shah, Shrenik K.; Guthikonda, Ravindra N.; Qi, Hongbo; Chang, Linda L.; Liu, Ping; Armstrong, Helen M.; Jewell, James P.; Lanza, Thomas J., Jr.
PA Merck & Co., Inc., USA; et al.
SO PCT Int. Appl., 381 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003077847	A2	20030925	WO 2003-US7320	20030307
WO 2003077847	A3	20041104		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	CA 2478183	A1	20030925	CA 2003-	8183	2 :307
	AU 2003218068	A1	20030929	AU 2003-	068	2 :307
	AU 2003218068	B2	20070215			
	EP 1496838	A2	20050119	EP 2003-	051	2 :307
	R: AT, BE, , DE, DK, ES, FR, GB, GR, IT, , LU, NL, SE, , PT, IE, SI, , LV, FI, RO, MK, CY, AL, TR, , CZ, EE, HU,					
	JP 2005519958	T	20050707	JP 2003-	901	2 :307
	JP 3813152	B2	20060823			
	NZ 534757	A	20060728	NZ 2003-	757	2 :307
	US 2004058820	A1	20040325	US 2003-	265	2 :312
	US 6972295	B2	20051206			
	US 2005234061	A1	20051020	US 2005-	076	2 :419
	JP 2006257090	A	20060928	JP 2006-	912	2 :407
	AU 2007201276	A1	20070419	AU 2007-	276	2 :323
PRAI	US 2002-363597P	P	20020312			
	US 2002-428351P	P	20021122			
	AU 2003-218068	A3	20030307			
	JP 2003-575901	A3	20030307			
	WO 2003-US7320	W	20030307			
	US 2003-387265	A3	20030312			

OS MARPAT 139:27647

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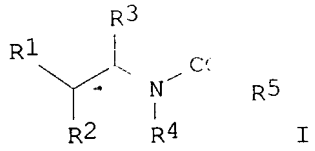

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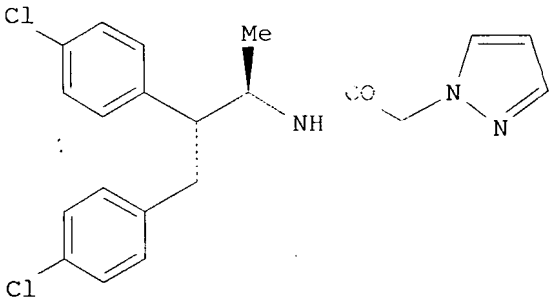


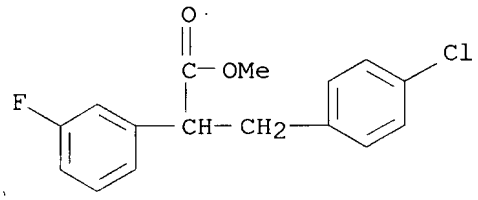
II

AB Novel compds. of the structural formula I (e.g. N-[2,3-bis(4-chlorophenyl)-1-methylpropyl]-2-(pyrazol-1-yl)acetamide trifluoroacetate (base shown as II with relative stereochem.); variables defined below) are antagonists and/or inverse agonists of the cannabinoid-1 (CB1) receptor (no data) and are useful in the treatment, prevention and suppression of diseases mediated by the CB1 receptor. The compds. of the present invention are useful as centrally acting drugs in the treatment of psychosis, memory deficits, cognitive disorders, migraine, neuropathy, neuro-inflammatory disorders including multiple sclerosis and Guillain-Barre syndrome and the inflammatory sequelae of viral encephalitis, cerebral vascular accidents, and head trauma, anxiety disorders, stress, epilepsy, Parkinson's disease, movement disorders, and schizophrenia. The compds. are also useful for the treatment of substance abuse disorders, the treatment of obesity or eating disorders, as well as the treatment of asthma, constipation, chronic intestinal pseudo-obstruction, and cirrhosis of the liver. Although the methods of preparation are not claimed, more than 120 example

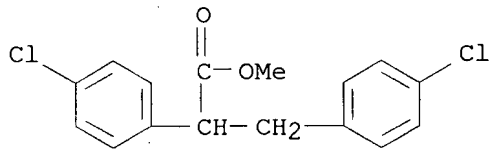
prepns. of intermediates and >480 example prepns./characterization data for a library of I are included. For I: R1 = C1-10-alkyl, C3-10cycloalkyl, C3-10-cycloalkyl-C1-4-alkyl, cycloheteroalkyl, cycloheteroalkyl-C1-4alkyl, aryl, aryl-C1-4-alkyl, heteroaryl, heteroaryl-C1-4-alkyl, -ORd, -NRcRd, -NRcC(O)Rd, -CO2Rd, and -C(O)NRcRd. R2 = C1-10alkyl, C3-10cycloalkyl-C1-4alkyl, cycloheteroalkyl, cycloheteroalkyl-C1-4alkyl, aryl, aryl-C1-4alkyl, aryloxy, arylthio, heteroaryl, and heteroaryl-C1-4alkyl; R3 = H, and C1-4alkyl; R4 = H, and C1-4alkyl; R5 = C1-10alkyl, C2-10alkenyl, C3-10-cycloalkyl-C1-4alkyl, cycloheteroalkyl-C1-4-alkyl, aryl-C1-4-alkyl, diaryl-C1-4alkyl, aryl-C1-4alkenyl, heteroaryl-C1-4alkyl, -ORd, and -NRcRd; addnl. details including provisos are given in the claims.

IT 605679-99-0P, Methyl 3-(4-Chlorophenyl)-2-(3-fluorophenyl)propionate 605680-28-2P, Methyl 2,3-Bis(4-chlorophenyl)propionate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of substituted amides as antagonists and/or inverse agonists of cannabinoid-1 receptor for therapy)

RN 605679-99-0 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(3-fluorophenyl)-, methyl ester (CA INDEX NAME)



RN 605680-28-2 CAPLUS
CN Benzenepropanoic acid, 4-chloro-α-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



L7 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:262921 CAPLUS
DN 139:85155
TI Intermolecular C-H activation at benzylic positions: synthesis of (+)-imperanene and (-)-α-conidendrin
AU Davies, Huw M. L.; Jin, Qihui
CS Department of Chemistry, University at Buffalo, The State University of New York, Buffalo, NY, 14260-3000, USA
SO Tetrahedron: Asymmetry (2003), 14(7), 941-949
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 139:85155
AB An efficient C-H activation of primary benzylic positions by means of

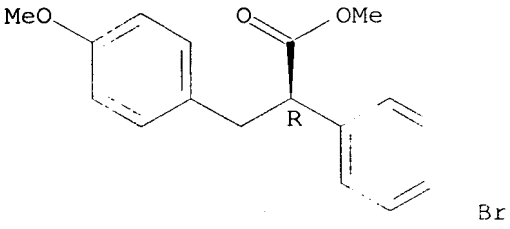
CAS ONLINE PRINTOUT

rhodium carbenoid indu[illegible] C-H insertions is described. his key step
used in concise synthe[illegible] of (+)-imperanene and (-)-α idendrin.

IT 553642-18-5P 553642-21[illegible]
RL: SPN (Synthetic pre[illegible]ation); PREP (Preparation)
(synthesis of (+)-i[illegible]ranene and (-)-α-conidendrin m a benzene
derivative and a ar[illegible]iazoacetate via a rhodium car oid induced
insertion)

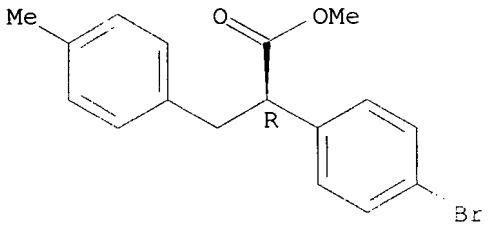
RN 553642-18-5 CAPLUS
CN Benzenepropanoic acid, [illegible](4-bromophenyl)-4-methoxy-, [illegible]yl ester,
(αR)- (9CI) (CA INDEX [illegible]AME)

Absolute stereochemistry. [illegible]tation (-).



RN 553642-21-0 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-4-methyl-, me[illegible]yl ester,
(αR)- (9CI) (CA INDEX [illegible]AME)

Absolute stereochemistry. Rotation (-).



RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

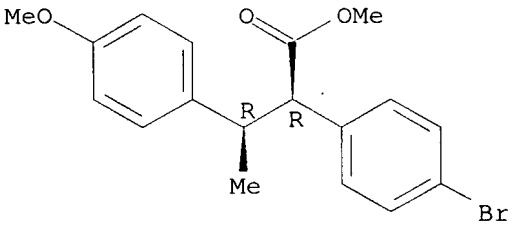
L7 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:301227 CAPLUS
DN 137:32995
TI Catalytic Asymmetric Benzylic C-H Activation by Means of Carbenoid-Induced C-H Insertions
AU Davies, Huw M. L.; Jin, Qihui; Ren, Pingda; Kovalevsky, Andrey Yu.
CS Department of Chemistry, University at Buffalo State University of New York, Buffalo, NY, 14260-3000, USA
SO Journal of Organic Chemistry (2002), 67(12), 4165-4169
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 137:32995
AB Tetrakis[N-[4-dodecylphenylsulfonyl](S)-prolinate]dirhodium [Rh2(S-DOSP)4]-catalyzed decomposition of Me aryldiazoacetates in the presence of substituted ethylbenzenes results in benzylic C-H activation by a Rh-carbenoid-induced C-H insertion. A Hammet study showed that pos. charge buildup occurred on the benzylic C in the transition state of the

C-H activation step. C-H activation of toluene and isopropylbenzene is possible, but a competing double cyclopropanation occurs with these substrates. The C-H activation is highly regioselective and enantioselective, and in certain cases, moderate diastereoselectivity is also possible.

IT 436144-76-2P 436144-79-5P 436144-84-2P
436144-86-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(catalytic asym. benzylic C-H activation by means of carbenoid-induced C-H insertions)

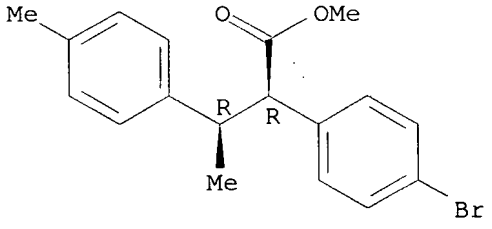
RN 436144-76-2 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-4-methoxy-β-methyl-, methyl ester, (αR,βR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



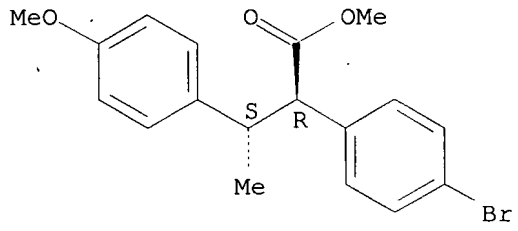
RN 436144-79-5 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-β,4-dimethyl-, methyl ester, (αR,βR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 436144-84-2 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-4-methoxy-β-methyl-, methyl ester, (αR,βS)- (9CI) (CA INDEX NAME)

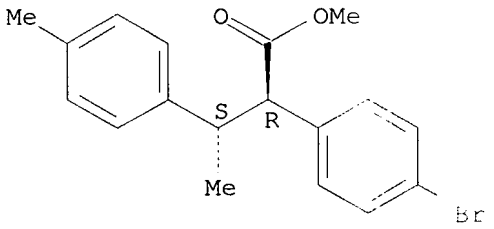
Absolute stereochemistry.



RN 436144-86-4 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-β,4-dimethyl-, methyl

ester, (αR,βS)- (9CI) CA INDEX NAME)

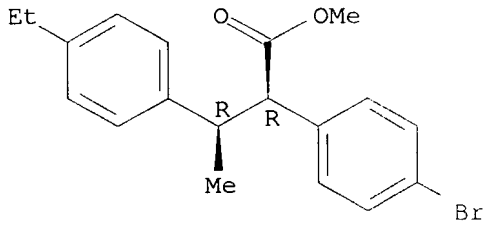
Absolute stereochemistry.



IT 436144-77-3P 436144-81-9P 436144-85-3P
436144-88-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(catalytic asym. benzylic C-H activation by means of carbenoid induced C-H insertions)

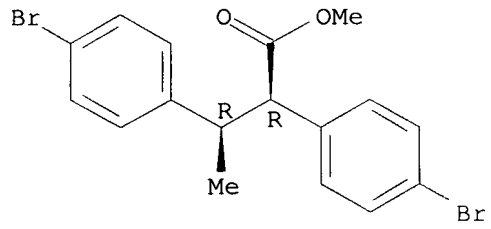
RN 436144-77-3 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-4-ethyl-β-methyl-, methyl ester, (αR,βR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 436144-81-9 CAPLUS
CN Benzenepropanoic acid, 4-bromo-α-(4-bromophenyl)-β-methyl-, methyl ester, (αR,βR)- (9CI) (CA INDEX NAME)

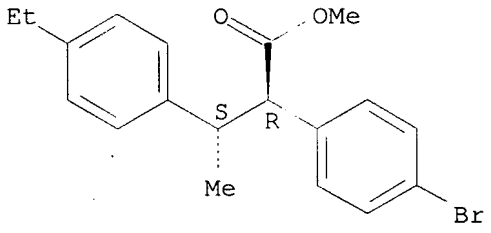
Absolute stereochemistry. Rotation (-).



RN 436144-85-3 CAPLUS
CN Benzenepropanoic acid, α-(4-bromophenyl)-4-ethyl-β-methyl-, methyl ester, (αR,βS)- (9CI) (CA INDEX NAME)

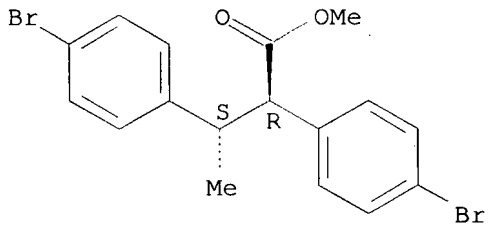
Absolute stereochemistry.

CAS ONLINE PRINTOUT



RN 436144-88-6 CAPLUS
CN Benzenepropanoic acid, 4-bromo-α-(4-bromophenyl)-β-methyl-, methyl ester, (αR,βS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

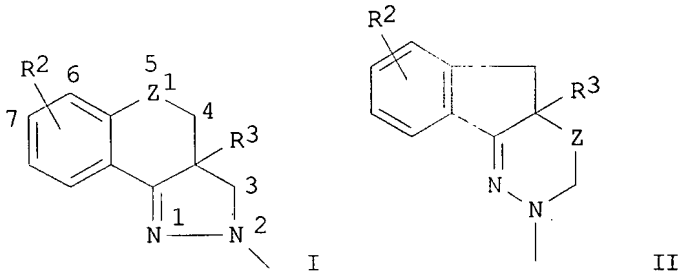


RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1996:248888 CAPLUS
DN 125:10861
TI Arthropodicidal benzopyranopyrazole- and indenooxadiazine-derived anilides
IN Barnette, William E.; Harrison, Charles R.; Lahm, George P.; Piotrowski, David W.; Wing, Keith D.
PA E. I. Du Pont de Nemours & Co., USA
SO U.S., 66 pp., Cont.-.in-part U. S. 812, 200, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5500438	A	19960319	US 1993-146210	19931122
	EP 781768	A1	19970702	EP 1996-119940	19920515
	EP 781768	B1	20011121		
	R: DE, FR, IT				
	US 5602126	A	19970211	US 1995-562131	19951122
	JP 2001097956	A	20010410	JP 2000-223499	20000725
	JP 3257784	B2	20020218		
PRAI	US 1991-705428	B2	19910524		
	US 1991-744759	B2	19910814		
	US 1991-812200	B2	19911220		
	EP 1992-912790	A3	19920515		
	JP 1993-500115	A3	19920515		
	US 1993-146210	A3	19931122		

OS MARPAT 125:10861
GI



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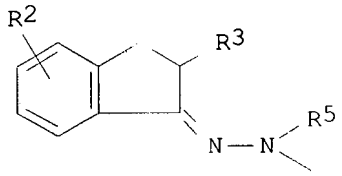
II



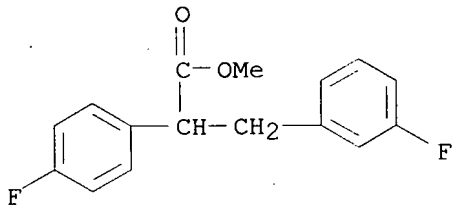
III

AB Substituted anilides of the formula 4-R1C6H4NYCOQ are claimed, where Q is one of I-III and R1 = e.g., Cl, Br, CF3; R2 = e.g., H, halo, CF3; Y = e.g., C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl; R3 = e.g., CO2Me, CO2Et, Ph; R5 = e.g., H, C1-3 alkyl; Z = e.g., CH2, O, S, NR6; Z1 = e.g., O, NR11; R6 = e.g., H, C1-4 alkyl; R11 = e.g., H, C1-4 alkyl; arthropodicidal compns. containing such compds.; and a method for controlling arthropods by use of such compds. Thus, e.g., methylation of Me 2,3-dihydro-7-(trifluoromethyl)-2-[[[4-(trifluoromethyl)phenyl]amino]carbonyl]-[1]benzopyrano[4,3-c]pyrazole-3a(4H)-carboxylate with NaH/MeI afforded 4-CF3C6H4NMeCOQ (Q = I with Z1 = O, R2 = 7-CF3, R3 = CO2Me) which exhibited ≥ 80% mortality against fall armyworm, tobacco budworm, southern corn rootworm, aster leafhopper, and boll weevil at 0.55 kg/ha.

IT 177096-32-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(arthropodicidal benzopyranopyrazole- and indenooxadiazine-derived anilides)

RN 177096-32-1 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-α-(4-fluorophenyl)-, methyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1992:634026 CAPLUS

DN 117:234026

TI Preparation of indenooxadiazinecarboxamides as arthropodicides

IN Annis, Gary David; Barnette, William Eldo; McCann, Stephen Frederick; Wing, Keith Dumont

PA du Pont de Nemours, E. I., and Co., USA

CAS ONLINE PR[illegible]OUT

SO PCT Int. [illegible]l., 351 pp.
CODEN: P[illegible]2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9211249	A1	19920709	WO 1991-US9164	19911217
	W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, PL, RO, SD, SU, US				
	RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
	CA 2098612	A1	19920622	CA 1991-2098612	19911217
	CA 2098612	C	20020507		
	AU 9127097	A	19920722	AU 1991-91270	19911217
	AU 659121	B2	19950511		
	EP 565574	A1	19931020	EP 1992-902235	19911217
	EP 565574	B1	19950802		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
	HU 65223	A2	19940502	HU 1993-1808	19911217
	HU 213635	B	19970828		
	JP 06504778	T	19940602	JP 1991-502714	19911217
	BR 9107246	A	19940614	BR 1991-7246	19911217
	ES 2077396	T3	19951116	ES 1992-902235	19911217
	RU 2096400	C1	19971120	RU 1991-5011055	19911217
	ZA 9110002	A	19930621	ZA 1991-10002	19911219
	IL 100429	A	19960119	IL 1991-100429	19911219
	CN 1062728	A	19920715	CN 1991-111730	19911221
	CN 1034468	B	19970409		
	US 5462934	A	19951031	US 1993-75534	19930618
	US 5708173	A	19980113	US 1995-448086	19950523
PRAI	US 1990-632438	A2	19901221		
	US 1991-714401	A2	19910611		
	WO 1991-US9164	A	19911217		
	US 1993-75534	A3	19930618		

OS CASREACT 117:234026; MARPAT 117:234026
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

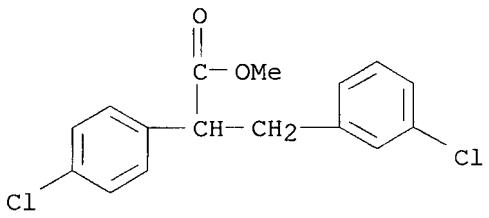
AB Title compds. QC(:X)NYG and QX1C:NG [I and II; Q = Q1, Q2, etc.; A = H; E = H, C1-3 alkyl or AE = CH2, CH2CH2, O, S, SO, SO2, OCH2, SCH2, etc.; G = (substituted) Ph, -pyridyl, -pyrimidyl, -thienyl, etc.; X = O, S, NX2; X1 = Cl, Br, OR8, SR8, NR8R9; X2 = R8, OH, OR8, cyano, SO2R8, SO2Ph, etc.; Y = H, C1-6 (halo)alkyl, CH2Ph, C2-6 alkoxyalkyl, C2-6 alkenyl, C2-6 alkynyl, C1-3 alkoxy, cyano, NO2, (substituted) Ph, etc.; Z = C, N; Z1 = O, S, NR31; R2 = H, (substituted) C1-6 alkyl, C2-6 (halo) alkenyl, C2-6 (halo)alkynyl, C3-6 (halo)cycloalkyl, halo, cyano, N3, etc. or R2R2 = OCH2O, OCF2O, OCH2CH2O, etc.; R3 = H, N3, NO2, halo, C1-6 (halo) alkyl, C2-6 alkenyl, (substituted) Ph, etc.; R4, R5 = H, C1-4 alkyl, etc.; R4R5 = O, S; R8 = (substituted) C1-3 alkyl, C2-4 (halo)alkenyl, (substituted) benzyl, etc.; R9 = H, C1-4 alkyl, C1-4 haloalkyl, C2-4 alkoxycarbonyl, (substituted) Ph, -pyridyl or R8R9 = (CH2)4, (CH2)5, etc.; R31 = H, C1-4 alkyl, C2-4 alkanoyl, C2-4 alkoxycarbonyl] were prepared for use in controlling anthropods, e.g. insects, pests, acari, etc. Thus, 5-chloro-2-(4-chlorophenyl)-2,3-dihydro-2-hydroxy-1H-inden-1-one (preparation given) was treated with hydrazine then 4-CF3C6H4NCO to give hydrazinecarboxamide III. The latter was cyclized with CH2O and TosOH to

give title compound IV. IV at 0.55 kg/ha gave ≥80% control of Spodoptera fruigiperda on wheat germ.

IT 144172-20-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for arthropodicides)

RN 144172-20-3 CAPLUS

CN Benzenepropanoic acid, 3-chloro-α-(4-chlorophenyl)-, methyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1977:601405 CAPLUS

DN 87:201405

TI Antimycotic imidazoles. 2. Synthesis and antimycotic properties of 1-[2-(arylalkyl)-2-phenylethyl]-1H-imidazoles

AU Heeres, Jan; Mostmans, Jozef H.; Van Cutsem, Jan

CS Res. Lab., Janssen Pharm., Beerse, Belg.

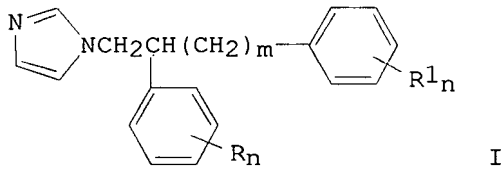
SO Journal of Medicinal Chemistry (1977), 20(11), 1511-16
CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

OS CASREACT 87:201405

GI



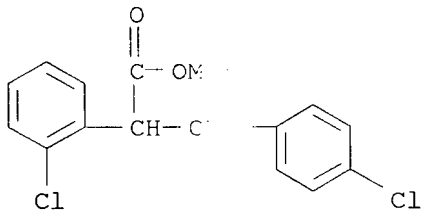
I

AB 1-[2-(Arylalkyl)-2-phenylethyl]-1H-imidazoles I (Rn = 2-Cl, -Br, -Me, 4-Cl, 2,4-, 2,6-Cl2; R1n = H, 2-, 4-Cl, 4-Br, -OMe, 2,4-, 2,6-Cl2; m = 1, 2) were prepared from the corresponding RnC6H5-nCH2CN via successive alkylation with X(CH2)mC6H5-nR1n (X = halo), conversion to the corresponding ester RnC6H5-nCH(CO2R)(CH2)mC6H5-nR1n (R = Me, Et), and NaBH4-LiI reduction to RnC6H5-nCH(CH2OH)(CH2)mC6H5-nR1n. These alcs. were mesylated and the products refluxed with imidazole in DMF to yield I which were active in vitro against dermatophytes, yeasts, other fungi, and gram-positive bacteria. Some were also active in vivo against Candida albicans.

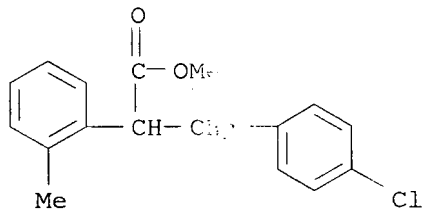
IT 59667-36-6P 64008-32-8P 64008-33-9P
64008-35-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)

CAS ONLINE [illegible]TOUT

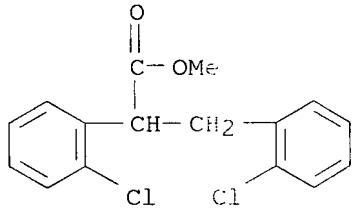
RN 59667-[illegible] CAPLUS
CN Benzene[illegible]panoic acid, [illegible]oro-α-(2-chlorophenyl)-, methyl ester (9CI) [illegible] INDEX NAME)



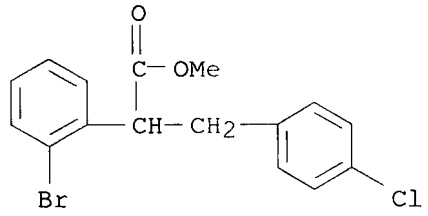
RN 64008-3[illegible] CAPLUS
CN Benzene[illegible]opanoic acid, [illegible]hloro-α-(2-methylphenyl)-, methyl ester (9CI) [illegible] INDEX NAME)



RN 64008-3[illegible] CAPLUS
CN Benzene[illegible]opanoic acid, [illegible]hloro-α-(2-chlorophenyl)-, methyl ester (9CI) [illegible]A INDEX NAME)



RN 64008-35-1 CAPLUS
CN Benzenepropanoic acid, α-(2-bromophenyl)-4-chloro-, methyl ester (9CI) (CA INDEX NAME)



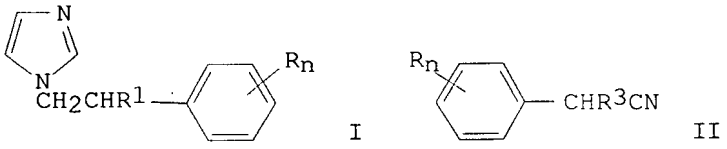
L7 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1976:433007 CAPLUS
DN 85:33007
TI 1-(β-Aryl-β-R-ethyl)imidazoles

CAS ONLINE PRINTOUT

IN Heeres, Jan; Backx, Leo J. J.; Mostmans, Joseph H.
PA Janssen Pharmaceutica N. V., Belg.
SO U.S., 16 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3927017	A	19751216	US 1974-483587	19740627
	US 3991201	A	19761109	US 1975-578777	19750519
PRAI	US 1974-483587	A3	19740627		

GI



I

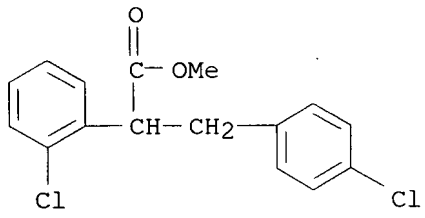
II

AB Imidazoles I [Rn = Cl, F, H, 2,4-, 2,6-Cl2; R1 = alkyl, allyl, cycloalkyl, CH2C6H5R2, CH2C6H4Cl2-2,4, CH2C6H4Cl2-2,6; R2 = Cl, Br, 4-Me, 4-MeO, CH2CH2Ph] (53 compds.), fungicides, bacteriostats, and bactericides at 0.1-100 γ/ml, were prepared by treating benzeneacetonitriles II (R3 = H) with halides R1X, hydrolyzing-esterifying II (R3 = R1) with HCl in MeOH or EtOH, reducing the ester RnC6H5-nCHR1CO2R4 (R4 = Me, Et) with NaBH4 over LiX in MeCN, mesylating the alc. RnC6H5-nCHR1CH2OH, and treating the methanesulfonate with imidazole.

IT 59667-36-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction of)

RN 59667-36-6 CAPLUS

CN Benzenepropanoic acid, 4-chloro-α-(2-chlorophenyl)-, methyl ester (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	75.09	406.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-10.14	-26.52

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CAS ONLINE PRINTOUT

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STRUCTURE FILE UPDATES: 31 AUG 2007 HIGHEST RN 945948-91-4
DICTIONARY FILE UPDATES: 31 AUG 2007 HIGHEST RN 945948-91-4

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http://www.cas.org/support/stngen/stndoc/properties.html

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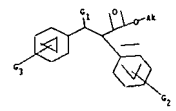

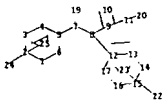

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7 8 9 10 11 19 20 22 24
ring nodes :
1 2 3 4 5 6 12 13 14 15 16 17
chain bonds :
5-7 7-8 7-19 8-9 8-12 9-10 9-11 11-20
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
exact/norm bonds :

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CAS     .NE PRINTOUT

7-1      10  9-11  11-20
exa      nds :
5-7       8-9  8-12
nor      ed bonds :
1-2        2-3  3-4  4-5  5-6  12-13  .2-.  13-14  14-15  15-16  16-17


G1:P.  .Ak

G2:C   ,CO2H,Ak

G3:X.  ,MeO,EtO,n-PrO,i-PrO,n-BuO,i-B.O,s BuO,t-BuO,NH2,NO2

Mat    evel :
1:A     2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:CLASS  9:CLASS  10:CLASS
 11:   S  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:Atom  19:CLASS  20:CLASS
 22:   S  23:Atom  24:CLASS  25:Atom



L8       STRUCTURE UPLOADED

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SAMP    SCREEN SEARCH COMPLETED -      468 TO ITERATE

100.    PROCESSED      468 ITERATIONS                          0 ANSWERS
SEAR    TIME: 00.00.01

FULL    LE PROJECTIONS:  ONLINE  **COMPLETE**
                         BATCH   **COMPLETE**
PROJ    ED ITERATIONS:          8063 TO    10657
PROJ    ED ANSWERS:                0 TO        0

L9             0 SEA CSS SAM L8

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SAMPL   SCREEN SEARCH COMPLETED -      468 TO ITERATE

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SEARCH  TIME: 00.00.01

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                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          8063 TO    10657
PROJECTED ANSWERS:                4 TO      200

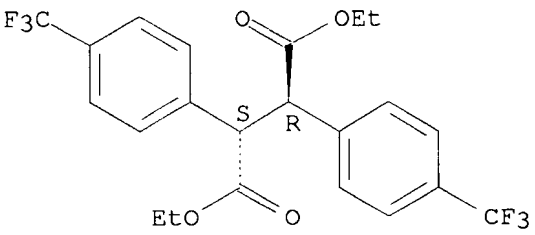
L10            4 SEA SSS SAM L8

=> d scan

L10  4 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   Butanedioic acid, 2,3-bis[4-(trifluoromethyl)phenyl]-, diethyl ester,
     (R*,S*)- (9CI)
MF   C22 H20 F6 O4

Relative stereochemistry.
```

CAS ONLINE PRINTOUT



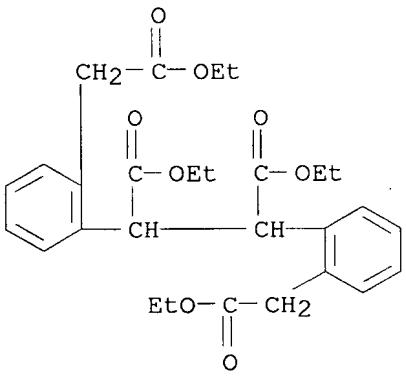
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):d his
'D HIS' IS NOT VALID HERE

To display more answers, enter the number of answers you would like to see. To end the display, enter "NONE", "N", "0", or "END".
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d ide

L10 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN
RN 910615-69-9 REGISTRY
ED Entered STN: 18 Oct 2006
CN 1,2-Benzenediacetic acid, α1-[2-ethoxy-1-[2-(2-ethoxy-2-oxoethyl)phenyl]-2-oxoethyl]-, 1,2-diethyl ester (CA INDEX NAME)
MF C28 H34 O8
SR Other Sources
Database: Wiley Subscription Services, Inc.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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FILE 'REGISTRY' ENTERED AT 10:52:35 ON 01 SEP 2007
L1 STRUCTURE UPLOADED
L2 2 S L1

CAS ONLINE INTOUT

L3 23 S L1 FUL

FILE 'APLUS' ENTERED AT 10:53:37 ON 01 SEP 2007
L4 70 S L3
L5 STRUCTURE UPLOADED

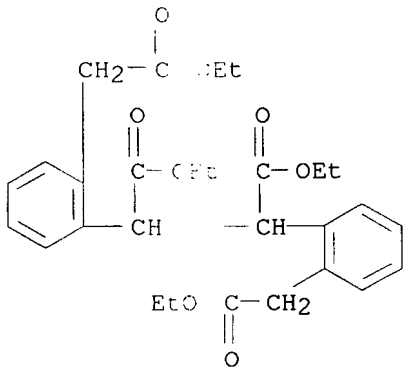
FILE 'REGISTRY' ENTERED AT 11:02:08 ON 01 SEP 2007
L6 20 SEARCH L1 CSS SUB=L3 FULL

FILE 'APLUS' ENTERED AT 11:02:42 ON 01 SEP 2007
L7 13 S L6

FILE 'REGISTRY' ENTERED AT 11:10:55 ON 01 SEP 2007
L8 STRUCTURE UPLOADED
L9 0 S L8 CSS
L10 4 S L8

=> d ide b 1-4

L10 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN
RN 910611-79-9 REGISTRY
ED Entered STN: 18 Oct 2006
CN 1,2-Benenediacetic acid, α1-[2-ethoxy-1-[2-(2-ethoxy-2-oxoeth)phenyl]-2-oxoethyl]-, 1,2-diethyl ester (CA INDEX NAME)
MF C28 H32 O8
SR Other sources
Database: Wiley Subscription Services, Inc.

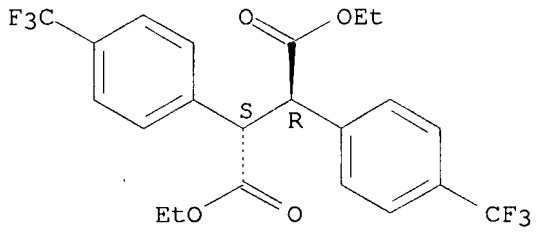


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN
RN 144633-02-3 REGISTRY
ED Entered STN: 25 Nov 1992
CN Butanedioic acid, 2,3-bis[4-(trifluoromethyl)phenyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H20 F6 O4
SR CA
LC STN Files: CA, CAPLUS, CHEMINFORMRX

Relative stereochemistry.

CAS ONLINE PRINTOUT



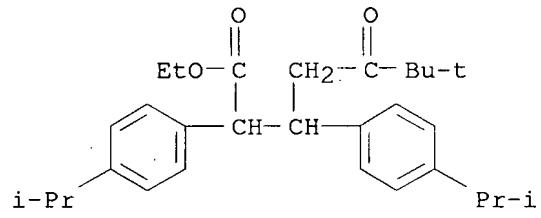
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 117:251025 CA
TI Electrochemistry of ethyl α-bromo-α-fluoro(phenyl)acetate and some ethyl α-bromo(trifluoromethylphenyl)acetates and electrochemical synthesis of the corresponding diastereoisomeric diethyl succinates
AU Mattiello, Leonardo; Rampazzo, Liliana; Sotgiu, Giovanni
CS Dip. ICMMPM, Univ. Roma 'La Sapienza', Rome, 00161, Italy
SO Journal of Chemical Research, Synopses (1992), (10), 321
CODEN: JRPSDC; ISSN: 0308-2342
DT Journal
LA English

L10 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN
RN 70334-45-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzenepropanoic acid, β-(3,3-dimethyl-2-oxobutyl)-4-(1-methylethyl)-α-[4-(1-methylethyl)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)
MF C29 H40 O3
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

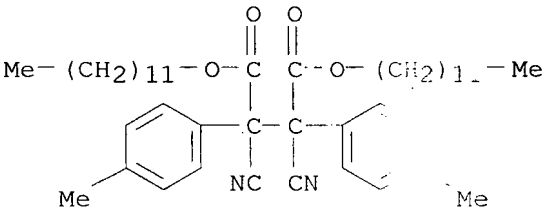
AN 90:203702 CA
TI 5-Oxopentanoic acid derivatives
IN Fisnerova, Ludmila; Nemecek, Oldrich; Grimova, Jaroslava
PA Czech.

CAS ONLINE PRINTOUT

SO Czech., 6 pp.
CODEN: CZXXA9
DT Patent
LA Czech
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CS 176744	B1	19770630	CS 1975-2824	19750423
PRAI CS 1975-2824		19750423		

L10 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2007 ACS on STN
RN 31249-04-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN Succinic acid, 2,3-dicyano-2,3-di-p-tolyl-, didodecyl ester (8CI) (CA INDEX NAME)
MF C44 H64 N2 O4
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATOLD



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1

AN 74:88362 CA
TI 1,2-Diphenyl-1,2-dicyano-1,2-bis[alkyl (or aryl or amino)peroxy (or oxy) carbonyl]ethanes as polymerization initiators
IN De Jongh, Hendrik A.; De Jonge, Cornelis R. H. I.
PA AKZO N. V.
SO Ger. Offen., 18 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2033910	A	19710121	DE 1970-2033910	19700708
DE 2033910	B2	19810219		
DE 2033910	C3	19811217		
NL 6910428	A	19710112	NL 1969-10428	19690708
NL 161425	C	19800215		
NL 161425	B	19790917		
US 3726837	A	19730410	US 1970-52073	19700702
GB 1270784	A	19720412	GB 1970-1270784	19700707
BE 753154	A	19701216	BE 1970-753154	19700708
FR 2054344	A5	19710416	FR 1970-25339	19700708
AT 300346	B	19720725	AT 1970-6212	19700708
JP 49045151	B	19741202	JP 1970-59171	19700708
SE 371811	B	19741202	SE 1970-9465	19700708

CAS ONLINE PRINTOUT

PRAI NL 1969-10428 19690708

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L1 STRUCTURE UPLOADED
L2 2 S L1
L3 123 S L1 FUL

FILE 'CAPLUS' ENTERED AT 10:53:37 ON 01 SEP 2007
L4 70 S L3
L5 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 11:02:08 ON 01 SEP 2007
L6 20 SEARCH L1 CSS SUB=L3 FULL

FILE 'CAPLUS' ENTERED AT 11:02:42 ON 01 SEP 2007
L7 13 S L6

FILE 'REGISTRY' ENTERED AT 11:10:55 ON 01 SEP 2007
L8 STRUCTURE UPLOADED
L9 0 S L8 CSS
L10 4 S L8

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.29	422.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-26.52

FILE 'CAPLUS' ENTERED AT 11:15:03 ON 01 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 1 Sep 2007 VOL 147 ISS 11
FILE LAST UPDATED: 31 Aug 2007 (20070831/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

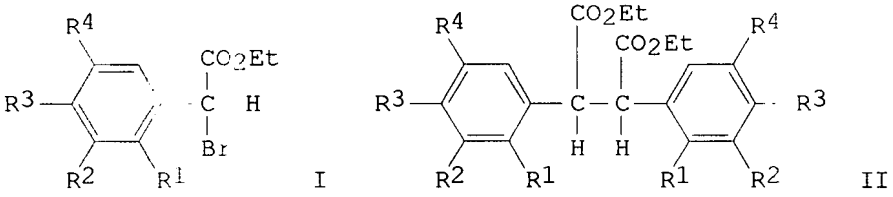
=> s l10

CAS ONLINE PRINTOUT

L11 3 L10

=> d bib abs hit tstr 1-3

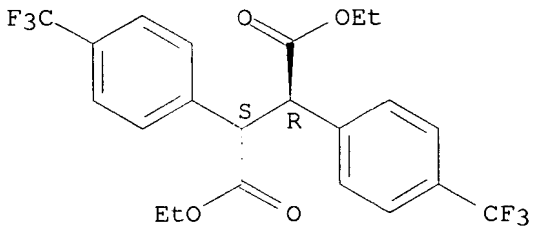
L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1992:451015 CAPLUS
DN 117:210215
TI Electrochemistry of ethyl α-bromo-α-fluoro(phenyl)acetate and some ethyl α-bromo(trifluoromethylphenyl)acetates and electrochemical synthesis of the corresponding diastereoisomeric diethyl succinates
AU Mattiello, Leonardo; Rampazzo, Liliana; Sotgiu, Giovanni
CS Dip. ICMMPM, Univ. Roma 'La Sapienza', Rome, 00161, Italy
SO Journal of Chemical Research, Synopses (1992), (10), 321
CODEN: JRPSDC; ISSN: 0308-2342
DT Journal
LA English
GI



I II

AB Electrolysis of PhCFBrCO2Et and title bromo(trifluoromethyl)phenylacetates I (R1 = CF3, R2-R4 = H; R1 = R3 = R4 = H, R2 = CF3, R1 = R3 = H, R2 = R4 = CF3; R1 = R2 = R4 = H, R3 = CF3) on reticulated vitreous carbon in DMF gave dimers PhCF(CO2Et)CF(CO2Et)Ph and II. II were obtained as mixture of meso- and DL-forms.
IT 144633-02-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 144633-02-3 CAPLUS
CN Butanedioic acid, 2,3-bis[4-(trifluoromethyl)phenyl]-, diethyl ester, (R*,S*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1979:203702 CAPLUS
DN 90:203702
TI 5-Oxopentanoic acid derivatives
IN Fisnerova, Ludmila; Nemecek, Oldrich; Grimova, Jaroslava
PA Czech.

CAS ONLINE PRINT(

SO Czech., 6 pp
CODEN: CZXX
DT Patent
LA Czech
FAN.CNT 1

PATENT NO.	KIND	L		APPLICATION NO.	DATE
PI CS 176744	B1	1	630	CS 1975-2824	19750423
PRAI CS 1975-2824	A	1	423		

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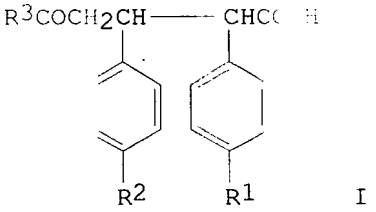


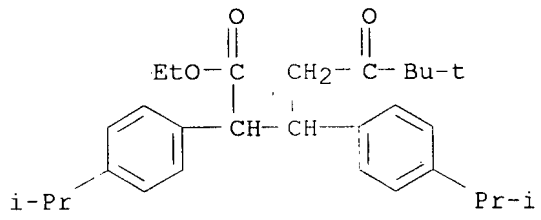
I

AB The title compds. I (R1 = H, 4 alkyl, Cl, NO2, OMe; R2 = H, CHMe2, NMe2, Cl, NO2; R3 = Ph, 2-fu- , CMe3, 3-indanyl, C6H3Cl2-2,4) were prepared by addition of 4-R1C6H4CH2CO- to 4-R2C6H4CH:CHCOR3 and saponification of the product. Thus, a solution o- .46 g PhCH2CO2Et and 3.7 g 4-Me2CHC6H4CH:CHCOPh in Et2O -taining EtONa was kept 5 days to give 4.4 g PhCOCH2CH(C6H4CHMe2-4)CHPhCO- which was refluxed with AcOH-HBr to yield 3.5 g I (R1 = H, R2 = CHMe2, = Ph). Similarly prepared were PhCOCH2CHR4CHR5CO2H (R4 = 2-p -olyl, 3-pyridyl; R5 = Ph, C6H4NO2-4, C6H4CH2CHMe2-4).

IT 70334-45-1P
RL: SPN (Synthetic preparati- ; PREP (Preparation)
(preparation of)

RN 70334-45-1 CAPLUS

CN Benzenepropanoic acid, β-(3,3 -methyl-2-oxobutyl)-4-(1-methylethyl)-α-[4-(1-methylethyl)phenyl]-, -hyl ester (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1971:88362 CAPLUS
DN 74:88362
TI 1,2-Diphenyl-1,2-dicyano-1,2-bis[alkyl (or aryl or amino)peroxy (or oxy) carbonyl]ethanes as polymerization initiators
IN De Jongh, Hendrik A.; De Jonge, Cornelis R. H. I.
PA AKZO N. V.
SO Ger. Offen., 18 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

CAS ONLINE PRINTOUT

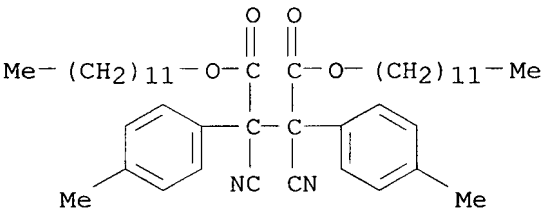
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2033910	A	19710121	DE 1970-2033910	19700708
	DE 2033910	B2	19810219		
	DE 2033910	C3	19811217		
	NL 6910428	A	19710112	NL 1969-10428	19690708
	NL 161425	C	19800215		
	NL 161425	B	19790917		
	US 3726837	A	19730410	US 1970-52073	19700702
	GB 1270784	A	19720412	GB 1970-1270784	19700707
	BE 753154	A	19701216	BE 1970-753154	19700708
	FR 2054344	A5	19710416	FR 1970-25339	19700708
	AT 300346	B	19720725	AT 1970-6212	19700708
	JP 49045151	B	19741202	JP 1970-59171	19700708
	SE 371811	B	19741202	SE 1970-9465	19700708
PRAI	NL 1969-10428	A	19690708		

AB The reaction-specific, fairly heat-stable compds. of the formula NC(p-R C6H4)[R1(O)nOC]CC[CO(O)nR1](C6H4R-p)CN (I), where R = H, Me, Cl, NO2, or OMe; R1 = Me, Et, Ph, NH2, NHMe, or pipe ridino, n = 0-1, oxidation resistant, of relatively high activity at lower temps., inactive at room temperature, and which do not form gaseous products during radical formation are useful as radical initiators for polymerization, e.g., of styrene (II), AcOCH:CH2, CH2:CHCN, or CH2:CMeCO2Me, or the hardening, e.g., of the unsatd. polyester resin Lupodal P-6. I are prepared by treating the corresponding NC(p-RC6H4)CH[CO(O)nR1] with O in the presence of CuCl and Me2NCH2CH2NMe2.

IT 31249-04-4
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for polymerization of vinyl compds.)

RN 31249-04-4 CAPLUS

CN Succinic acid, 2,3-dicyano-2,3-di-p-tolyl-, didodecyl ester (8CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.10	441.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-28.86

FILE 'REGISTRY' ENTERED AT 11:19:25 ON 01 SEP 2007

Property values tagged with IC are from the ZIC/VINITI data file

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CAS ONLIN:  <INTOUT

provided :  InfoChem.

STRUCTURE   .E UPDATES:       UG 2007  HIGHEST RN 945948-9: 4
DICTIONAR:  :LE UPDATES:      UG 2007  HIGHEST RN 945948-9: 4

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TSCA INFO:  ICN NOW CURRE:    HROUGH June 29, 2007

  Please :  - that search-    pricing does apply when
  conduct:  SmartSELECT s-    hes.

REGISTRY :  ludes numerica.   searchable data for experimental and
predicted   operties as we    s tags indicating availability of
experiment  property data     the original document.  For information
on propert  searching in R:   TRY, refer to:

http://www.  as.org/support   gen/stndoc/properties.html

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L2           2 S L1
L3         123 S L1 FUL

     FILE 'CAPLUS' ENTERED .   10:53:37 ON 01 SEP 2007
L4          70 S L3
L5             STRUCTURE U    OADED

     FILE 'REGISTRY' ENTERE.  AT 11:02:08 ON 01 SEP 2007
L6          20 SEARCH L1 (     SUB=L3 FULL

     FILE 'CAPLUS' ENTERED     11:02:42 ON 01 SEP 2007
L7          13 S L6

     FILE 'REGISTRY' ENTERE.  AT 11:10:55 ON 01 SEP 2007
L8             STRUCTURE U    OADED
L9           0 S L8 CSS
L10          4 S L8

     FILE 'CAPLUS' ENTERED AT 11:15:03 ON 01 SEP 2007
L11          3 S L10

     FILE 'REGISTRY' ENTERED AT 11:19:25 ON 01 SEP 2007

=> s l8 ful
FULL SEARCH INITIATED 11:19:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      9516 TO ITERATE

100.0% PROCESSED     9516 ITERATIONS                          136 ANSWERS
SEARCH TIME: 00.00.01

L12         136 SEA SSS FUL L8

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                                                 ENTRY     SESSION
FULL ESTIMATED COST                              172.10      613.69
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CAS ONLINE PRINTOUT

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-28.86

FILE 'USPATFULL' ENTERED AT 11:19:45 ON 01 SEP 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 30 Aug 2007 (20070830/PD)
FILE LAST UPDATED: 30 Aug 2007 (20070830/ED)
HIGHEST GRANTED PATENT NUMBER: US7263724
HIGHEST APPLICATION PUBLICATION NUMBER: US2007204372
CA INDEXING IS CURRENT THROUGH 30 Aug 2007 (20070830/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 Aug 2007 (20070830/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2007
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2007

=> s l12
L13 15 L12

=> d his

(FILE 'HOME' ENTERED AT 10:52:23 ON 01 SEP 2007)

FILE 'REGISTRY' ENTERED AT 10:52:35 ON 01 SEP 2007
L1 STRUCTURE UPLOADED
L2 2 S L1
L3 123 S L1 FUL

FILE 'CAPLUS' ENTERED AT 10:53:37 ON 01 SEP 2007
L4 70 S L3
L5 STRUCTURE UPLOADED

FILE 'REGISTRY' ENTERED AT 11:02:08 ON 01 SEP 2007
L6 20 SEARCH L1 CSS SUB=L3 FULL

FILE 'CAPLUS' ENTERED AT 11:02:42 ON 01 SEP 2007
L7 13 S L6

FILE 'REGISTRY' ENTERED AT 11:10:55 ON 01 SEP 2007
L8 STRUCTURE UPLOADED
L9 0 S L8 CSS
L10 4 S L8

FILE 'CAPLUS' ENTERED AT 11:15:03 ON 01 SEP 2007
L11 3 S L10

FILE 'REGISTRY' ENTERED AT 11:19:25 ON 01 SEP 2007
L12 136 S L8 FUL

FILE 'USPATFULL' ENTERED AT 11:19:45 ON 01 SEP 2007
L13 15 S L12

=> d bib abs hitstr 1-15

L13 ANSWER 1 OF 15 USPATFULL on STN
AN 2007:155411 USPATFULL
TI HETEROCYCLIC CETP INHIBITORS
IN Salvati, Mark E., Lawrenceville, NJ, UNITED STATES
Finlay, Heather, Skillman, NJ, UNITED STATES

CAS ONLINE PRINTOUT

Chen, Bang-Chi, Plai[illegible], NJ, UNIT[illegible] ATES
Harikrishnan, Lalgudi[illegible], Princeton, [illegible]NITED STATES
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Johnson, James A., Pe[illegible]ngton, NJ, U[illegible] STATES
Kamau, Muthoni G., La[illegible]nceville, NJ, [illegible]TED STATES
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Li, Jianqing, Guilfor[illegible] CT, UNITED S[illegible]
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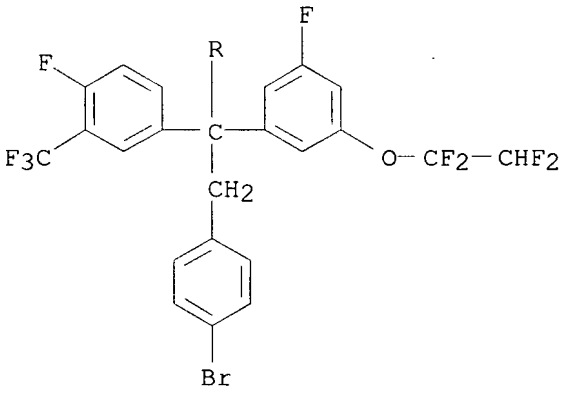
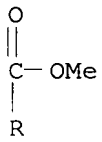
Miller, Michael M., P[illegible]nington, NJ, [illegible]D STATES
Pi, Zulan, Pennington[illegible]NJ, UNITED ST[illegible]
Qiao, Jennifer X., Pr[illegible]ceton, NJ, UNI[illegible] STATES
Rampulla, Richard A., [illegible]emington, NJ, [illegible]TED STATES
Roberge, Jacques Y., [illegible]rinceton, NJ, U[illegible]D STATES
Wang, Tammy C., Lawre[illegible]eville, NJ, UN[illegible] STATES
Wang, Yufeng, North B[illegible]nswick, NJ, UN[illegible] STATES
Yang, Wu, Princeton J[illegible]ction, NJ, UNI[illegible] STATES

PA Bristol-Myers Squibb [illegible]mpany (U.S. co[illegible]ation)
PI US 2007135631 A[illegible] 20070614
AI US 2006-558979 A[illegible] 20061113 (11)
PRAI US 2005-739374P 2[illegible]51123 (60)
DT Utility
FS APPLICATION
LREP LOUIS J. WILLE, BRIST[illegible]-MYERS SQUIBB [illegible]ANY, PATENT DEPARTMENT, P O BOX 4000, PRINCETON, NJ, [illegible]543-4000, US
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 21135
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds of formula Ia and Ib ##S =# wherein A, B, C and R.sub.1 are described herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 939399-31-2P
(preparation of heterocyclic and arom[illegible]ic ureas and amides as CEPT inhibitors
for treating, preventing or slowing [illegible] progression of a disease requiring cholesteryl ester transfer [illegible]otein inhibitor therapy)
RN 939399-31-2 USPATFULL
CN Benzenepropanoic acid, 4-bromo-α-[3-fluor[illegible]-5-(1,1,2,2-tetrafluoroethoxy)phenyl]-α-[4-fluoro[illegible](trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)

CAS ONLINE PRINTOUT

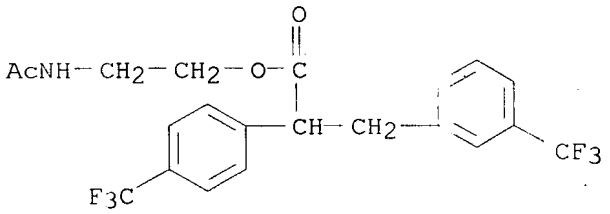




L13 ANSWER 2 OF 15 USPATFULL on STN
AN 2005:255715 USPATFULL
TI Alpha(trifluoromethyl-substituted aryloxy, arylamino, arylthio or arylmethyl)-trifluoromethyl-substituted phenylacetic acids and derivatives as antidiabetic agents
IN Zhao, Zuchun, Pleasanton, CA, UNITED STATES
Chen, Xin, San Ramon, CA, UNITED STATES
Wang, Jianchao, Castro Valley, CA, UNITED STATES
Sun, Hongbin, Hayward, CA, UNITED STATES
Liang, Jack Shih-Chieh, Mountain View, CA, UNITED STATES
PA Metabolex, Inc., Hayward, CA, UNITED STATES (U.S. corporation)
PI US 2005222213 A1 20051006
AI US 2005-61302 A1 20050217 (11)
PRAI US 2004-545850P 20040218 (60)
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834, US
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2655
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Compounds having a formula: ##STR1## or a pharmaceutically acceptable salt or prodrug thereof, are provided, and are useful for the treatment of metabolic disorders.

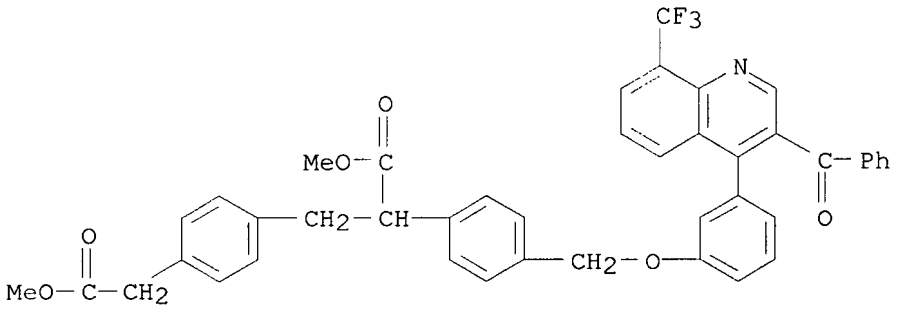
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 863423-21-6P
(drug candidate; preparation of trifluoromethylphenyl-substituted acetic acid derivs. for treating inflammation and metabolic disorders)
RN 863423-21-6 USPATFULL
CN Benzenepropanoic acid, 3-(trifluoromethyl)-α-[4-(trifluoromethyl)phenyl]-, 2-(acetylamino)ethyl ester (9CI) (CA INDEX NAME)

CAS ONLINE PRINTOUT



L13 ANSWER 3 OF 15 USPATFULL on STN
AN 2005:152100 USPATFULL
TI Quinolines useful in treating cardiovascular dis e
IN Collini, Michael D., Clifton Hei hts, PA, UNITE ATES
Singhaus, Robert R. JR., Pottsto n, PA, UNITED S ES
Hu, Baihua, Audubon, PA, UNITED ATES
Jetter, James W., Norristown, PA, UNITED STATES
Morris, Robert L., Wayne, PA, UN ED STATES
Kaufman, David H., Schwenksville, PA, UNITED STA
Miller, Christopher P., Wayne, P , UNITED STATES
Ullrich, John W., Exton, PA, UNI ED STATES
Unwalla, Rayomand J., Eagleville, PA, UNITED STA
Wrobel, Jay E., Lawrence, NJ, UN ED STATES
Quinet, Elaine, Berwyn, PA, UNIT D STATES
Nambi, Ponnal, Berwyn, PA, UNITE STATES
Bernotas, Ronald C., Royersford, PA, UNITED STAT
Elloso, Merle, Devon, PA, UNITED STATES
PA Wyeth, Madison, NJ, UNITED STATES, 07940 (U.S. c poration)
PI US 2005131014 A1 20050616
AI US 2004-10236 A1 20041210 (11)
PRAI US 2003-529009P 20031212 (60)
US 2004-600296P 20040810 (60)
DT Utility
FS APPLICATION
LREP COZEN O' CONNOR, P. C., 1900 MARKET STREET, PHILA ELPHIA, PA, 19103-3508, US
CLMN Number of Claims: 31
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 12710
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides compounds of formula I ##STR1## that are useful in the treatment or inhibition of LXR mediated diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 854771-85-0P, Methyl 2-[4-[[3-[3-Benzoyl-8-(Trifluoromethyl)Quinolin-4-yl]Phenoxy]Methyl]Phenyl]-3-[4-(2-Methoxy-2-Oxoethyl)Phenyl]Propanoate
(drug candidate; preparation of quinolines useful in treating LXR (liver X receptor)-mediated diseases)
RN 854771-85-0 USPATFULL
CN Benzenepropanoic acid, α-[4-[[3-[3-benzoyl-8-(trifluoromethyl)-4-quinolinyl]phenoxy]methyl]phenyl]-4-(2-methoxy-2-oxoethyl)-, methyl ester (9CI) (CA INDEX NAME)



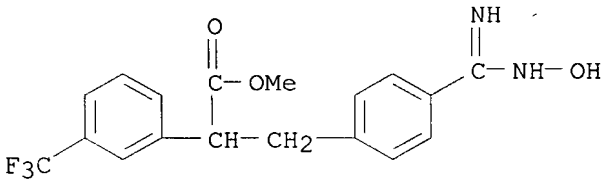
L13 ANSWER 4 OF 15 USPATFULL on STN
AN 2004:168045 USPATFULL
TI Arylalkanoyl derivatives, processes for their preparation, their use and pharmaceutical compositions containing them
IN Defossa, Elisabeth, Idstein, GERMANY, FEDERAL REPUBLIC OF
Heinelt, Uwe, Wiesbaden, GERMANY, FEDERAL REPUBLIC OF
Klingler, Otmar, Rodgau, GERMANY, FEDERAL REPUBLIC OF
Zoller, Gerhard, Schoneck, GERMANY, FEDERAL REPUBLIC OF
Matter, Hans, Langenselbold, GERMANY, FEDERAL REPUBLIC OF
Al-Obeidi, Fahad A., Tucson, AZ, United States
Walser, Armin, Tucson, AZ, United States
Wildgoose, Peter, Oberursel, GERMANY, FEDERAL REPUBLIC OF
PA Aventis Pharma Deutschland GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)
PI US 6759420 B1 20040706
AI US 1999-472936 19991228 (9)
PRAI EP 1999-100001 19990102
EP 1999-119538 19991001
DT Utility
FS GRANTED
EXNAM Primary Examiner: Chang, Ceila; Assistant Examiner: Robinson, Binta
LREP Finnegan, Henderson, Farabow, Garrett, & Dunner, L.L.P.
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 4141
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to new compounds for the inhibition of blood clotting proteins and factor Xa activity, and more particularly, to arylalkanoyl derivatives of the formula (I): ##STR1##

wherein R(1), R(2), R(3), R(4), R(5), R(6a), and R(6b) have the meanings indicated in the claims. The invention also relates to processes for the preparation of the compounds of formula (I), to methods of inhibiting factor Xa activity and of inhibiting blood clotting, to the use of the compounds of formula (I) in the treatment and prophylaxis of diseases whcih can be treated or prevented by the inhibition of factor Xa activity, such as cardiovascular or thromboembolic diseases, and to the use of the compounds of formula (I) in the preparation of medicaments to be applied in such diseases.

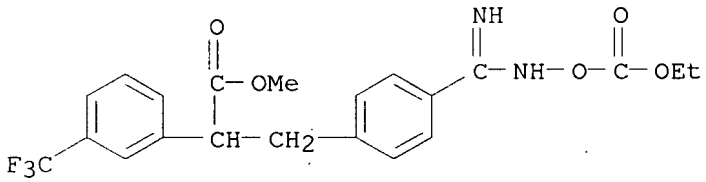
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 283162-06-1P 283162-07-2P
(preparation of arylalkanoylaminoacetamides as blood coagulation factor Xa inhibitors)
RN 283162-06-1 USPATFULL

CAS ONLINE PRINTOUT

CN Benzenepropanoic acid, 4-[(hydroxyamino)iminomethyl]-α-[3-(trifluoromethyl)phenyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 283162-07-2 USPATFULL
CN Benzenepropanoic acid, 4-[[[(ethoxycarbonyl)oxy]amino]iminomethyl]-α-[3-(trifluoromethyl)phenyl]-, methyl ester (9CI) (CA INDEX NAME)

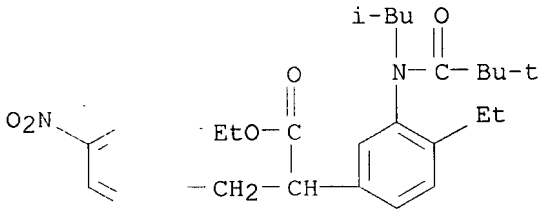


L13 ANSWER 5 OF 15 USPATFULL on STN
AN 2004:95423 USPATFULL
TI 2,3-Diphenylpropionic acid derivatives or their salts, medicines or cell adhesion inhibitors containing the same, and their usage
IN Hoshina, Yoichiro, Kyoto, JAPAN
Ikegami, Satoru, Kyoto, JAPAN
Okuyama, Akihiko, Kyoto, JAPAN
Harada, Tatsuhiro, Kyoto, JAPAN
Matsuo, Atsushi, Shizuoka, JAPAN
PI US 2004072878 A1 20040415
AI US 2003-344105 A1 20030819 (10)
WO 2001-JP6934 20010810
PRAI JP 2000-244226 20000811
JP 2001-115840 20010413
DT Utility
FS APPLICATION
LREP NIXON & VANDERHYE, PC, 1100 N GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 22201-4714
CLMN Number of Claims: 15
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A 2,3-diphenylpropionic acid derivatives or the salts represented by general formula (1) below; and pharmaceutical compositions and cell adhesion inhibitors comprising the derivatives or the salts as the active ingredient. In the formula, A, B and C independently represents a hydrogen atom or a monovalent substituent; and X and X' independently represents a hydrogen atom or a monovalent substituent. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 400648-72-8P
(preparation of 2,3-diphenylpropionic acid derivs. or their salts as cell adhesion inhibitors, integrin antagonists or inhibitors, and antiinflammatory agents)

CAS ONL. PRINTOUT

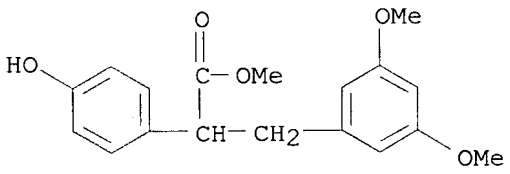
RN 40 -72-8 USPATFULL
CN Be epropanoic acid, α-[3-[(2,2-dimethy -1-oxopropyl)(2-
y ylpropyl)amino]-4-ethylphenyl]-4-ni o-, ethyl ester (9CI) (CA
I EX NAME)



L13 ANSW R 6 OF 15 USPATFULL on STN
AN 2 3:258441 USPATFULL
TI Novel heterocyclic analogs of diphenylethylene compounds
IN Ne gi, Partha, Fremont, CA, UNITED STATES
De , Debendranath, Fremont, CA, UNITED STATES
Me icherla, Satyanarayana, Cupertino, CA, UNITED STATES
Na , Bishwajit, Union City, CA, UNITED STATES
Le , Arthur, San Francisco, CA, UNITED STATES
PI US 2003181494 A1 20030925
AI US 2002-265902 A1 20021008 (10)
RLI Continuation-in-part of Ser. No. US 2001-843167, filed on 27 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2001-785554, filed on 20 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2000-591105, filed on 9 Jun 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-287237, filed on 6 Apr 1999, GRANTED, Pat. No. US 6331633
DT Utility
FS APPLICATION
LREP PILLSBURY WINTHROP, LLP, P.O. BOX 10500, MCLEAN, VA, 22102
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN 26 Drawing Page(s)
LN.CNT 2827
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel diphenylethylene compounds and derivatives thereof containing thiazolidinedione or oxazolidinedione moieties are provided which are effective in lowering blood glucose level, serum insulin, triglyceride and free fatty acid levels in animal models of Type II diabetes. The compounds are disclosed as useful for a variety of treatments including the treatment of inflammation, inflammatory and immunological diseases, insulin resistance, hyperlipidemia, coronary artery disease, cancer and multiple sclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 380881-43-6P
(preparation of diphenylethylene compds. containing thiazolidinedione or oxazolidinedione moieties for treating diabetes, inflammatory or immunol. disease in combination with other agents)
RN 380881-43-6 USPATFULL
CN Benzenepropanoic acid, α-(4-hydroxyphenyl)-3,5-dimethoxy-, methyl ester (9CI) (CA INDEX NAME)

CAS ONLINE PRINTOUT

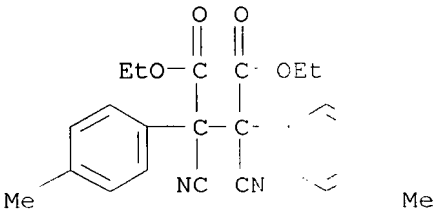


L13 ANSWER 7 OF 15 USPATFULL on STN
AN 2003:243897 USPATFULL
TI Use of polymeric reaction product
IN Raether, Roman Benedikt, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Brinkmann-Rengel, Susanne, Ober-Olm, GERMANY, FEDERAL REPUBLIC OF
Haremza, Sylke, Neckargemund, GERMANY, FEDERAL REPUBLIC OF
PI US 2003170306 A1 20030911
US 7008990 B2 20060307
AI US 2003-311378 A1 20030421 (10)
WO 2001-EP6712 20010613
PRAI DE 2000-10029694 20000616
DT Utility
FS APPLICATION
LREP KEIL & WEINKAUF, 1350 CONNECTICUT AVENUE, N.W., WASHINGTON, DC, 20036
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2511
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A reaction product (A) which can be prepared by reaction, under free radical conditions, of at least one monomer (a) capable of free radical reaction, in the presence of at least one free radical initiator and of a radical of the formula (III) ##STR1##

where R.sub.1 to R.sub.3, in each case independently of one another, are hydrogen, methyl or a radical-stabilizing and/or bulky group selected from an unsubstituted or substituted, linear or branched alkyl of two or more carbon atoms, cycloalkyl, alcohol, ether, polyether, amine, aralkyl radical, a substituted or unsubstituted aromatic, heterocyclic or olefinic hydrocarbon, a halogen atom, a substituted or unsubstituted, linear or branched alkenyl or alkynyl group, --C(O)R.sub.5, --C(O)OR.sub.5, --CR.sub.5R.sub.6--O--R.sub.7, --O--C(O)R.sub.5, --CN, --O--CN, --S--CN, --O--C.dbd.NR.sub.5, --S--C.dbd.NR.sub.5, --O--CR.sub.5R.sub.6--CR.sub.7R.sub.8NR.sub.9R.sub.10, --N.dbd.C.dbd.O, --C.dbd.NR.sub.5, --CR.sub.5R.sub.6-Hal, --C(S)R.sub.5, --CR.sub.5R.sub.6--P(O)R.sub.7R.sub.8, --CR.sub.5R.sub.6--PR.sub.7R.sub.8, --CR.sub.5R.sub.6--NR.sub.7R.sub.8, --CR.sub.5R.sub.6(OR.sub.7)(OR.sub.8), --CR.sub.5R.sub.6(OR.sub.7)(NR.sub.8), --CR.sub.5R.sub.6(NR.sub.7)(NR.sub.8), an anhydride, acetal or ketal group, --SO.sub.2R.sub.5, an amidine group, --NR.sub.5C(S)NR.sub.6, --NR.sub.5C(S)--OR.sub.6, --N.dbd.C.dbd.S, --NO.sub.2, --C.dbd.N--OH, --N(R.sub.5).dbd.NR.sub.6, --PR.sub.5R.sub.6R.sub.7, --OSiR.sub.5R.sub.6R.sub.7 or --SiR.sub.5R.sub.6R.sub.7, where R.sub.5 to R.sub.10, independently of one another in each case, are defined in the same way as R.sub.1 to R.sub.5, or two of the radicals R.sub.1 to R.sub.4 form a C.sub.4- to C.sub.7-ring which in turn may be substituted or unsubstituted and, if required, may contain one or more heteroatoms, with the proviso that at least two of the radicals R.sub.1 to R.sub.3 are a radical-stabilizing and/or bulky group as defined above, has various uses.

CAS ONLINE PRINTOUT

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 70230-43-2
(block copolymers obtained by radical polymerization of monomers in presence of radicals bearing radical-stabilizing or bulky substituents)
RN 70230-43-2 USPATFULL
CN Butanedioic acid, 2,3-dicyano-2,3-bis(4-methylphenyl)-, diethyl ester (9CI) (CA INDEX NAME)

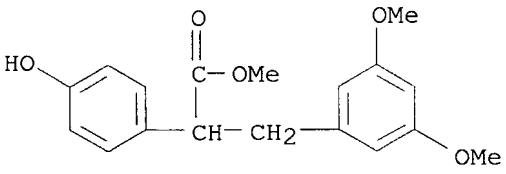


L13 ANSWER 8 OF 15 USPATFULL on STN
AN 2002:55062 USPATFULL
TI Novel heterocyclic analogs of diphenylethylene compounds
IN Nag, Bishwajit, Fremont, CA, UNITED STATES
Dey, Debendranath, Fremont, CA, UNITED STATES
Medicherla, Satyanarayana, Cupertino, CA, UNITED STATES
Neogi, Partha, Fremont, CA, UNITED STATES
PI US 2002032225 A1 20020314
US 7105552 B2 20060912
AI US 2001-843167 A1 20010427 (9)
RLI Continuation-in-part of Ser. No. US 2001-785554, filed on 20 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2000-591105, filed on 9 Jun 2000, PENDING Continuation-in-part of Ser. No. US 1999-287237, filed on 6 Apr 1999, PENDING Continuation-in-part of Ser. No. US 1998-74925, filed on 8 May 1998, GRANTED, Pat. No. US 6245814
DT Utility
FS APPLICATION
LREP Pillsbury Winthrop LLP, Intellectual Property Group, 1600 Tysons Boulevard, McLean, VA, 22102
CLMN Number of Claims: 60
ECL Exemplary Claim: 1
DRWN 14 Drawing Page(s)
LN.CNT 1388
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel diphenylethylene compounds and derivatives thereof containing thiazolidinedione or oxazolidinedione moieties are provided which are effective in lowering blood glucose level, serum insulin, triglyceride and free fatty acid levels in animal models of Type II diabetes. In contrast to previously reported thiazolidinedione compounds, known to lower leptin levels, the present compounds increase leptin levels and have no known liver toxicity. The compounds are disclosed as useful for a variety of treatments including the treatment of inflammation, inflammatory and immunological diseases, insulin resistance, hyperlipidemia, coronary artery disease, cancer and multiple sclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 380881-43-6P, 3-(3,5-Dimethoxyphenyl)-2-(4-hydroxyphenyl)propionic acid methyl ester
(intermediate; preparation of novel heterocyclic analogs of phenylethylene compds. as inhibitors of cytokines or cyclooxygenase for therapeutic agents)
RN 380881-43-6 USPATFULL

CAS ONLINE PRINTOUT

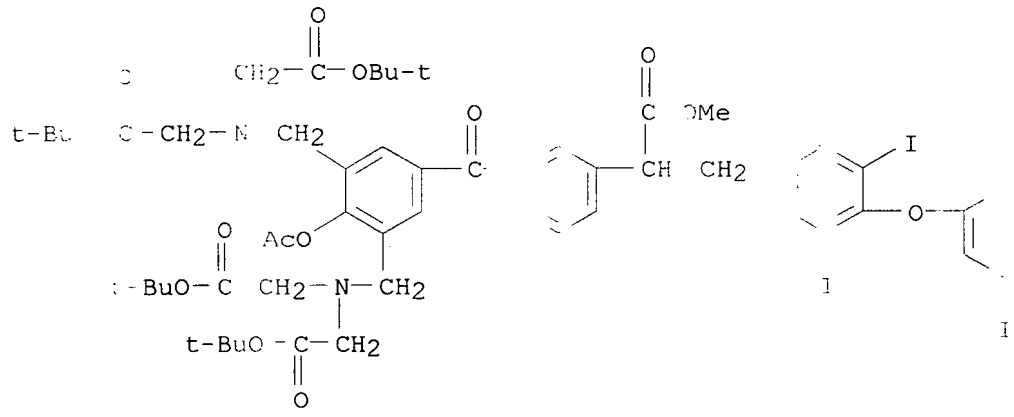
CN Benzenepropanoic acid, α-(4-hydroxyphenyl)-3,5-dimethoxy-, methyl ester (9CI) (CA INDEX NAME)



L13 ANSWER 9 OF 15 USPATFULL on STN
AN 89:69875 USPATFULL
TI Terpyridine chelating agents
IN Toner, John L., Webster, NY
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4859777 19890822
AI US 1988-285163 19881216 (7)
RLI Division of Ser. No. US 1987-40385, filed on 20 Apr 1987 which is a continuation-in-part of Ser. No. US 1987-7024, filed on 27 Jan 1987, now patented, Pat. No. US 4801722 which is a division of Ser. No. US 1986-825693, filed on 3 Feb 1986, now patented, Pat. No. US 4637988 which is a continuation of Ser. No. US 1981-279398, filed on 1 Jul 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Everett, John R.
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 742
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described stable fluorescent labels comprising a complex of Eu.sup.+3 and a chelating agent comprising a nucleus which is a triplet sensitizer having a triplet energy greater than that of Eu.sup.+3 and at least two heteroatom-containing groups which form coordinate complexes with Eu.sup.+3 and a third heteroatom-containing group or heteroatom in or appended to the triplet sensitizer. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, haptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

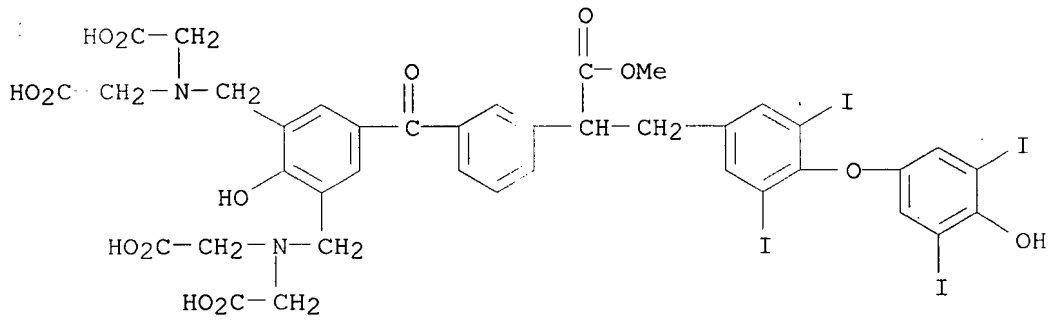
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 85929-38-0P
(preparation and hydrolysis of)
RN 85929-38-0 USPATFULL
CN Benzenepropanoic acid, α-[3-[4-(acetyloxy)-3,5-bis[[bis[2-(1,1-dimethylethoxy)-2-oxoethyl]amino]methyl]benzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, methyl ester (9CI) (CA INDEX NAME)

PAGE



PAGE . 3

IT 85916-19-4P
(preparation of)
RN 85916-19-4 USPATFULL
CN Benzenepropanoic acid, α-[3-[3,5-bis[[bis(carboxymethyl)amino]methyl]-4-hydroxybenzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, α-methyl ester (9CI) (CA INDEX NAME)



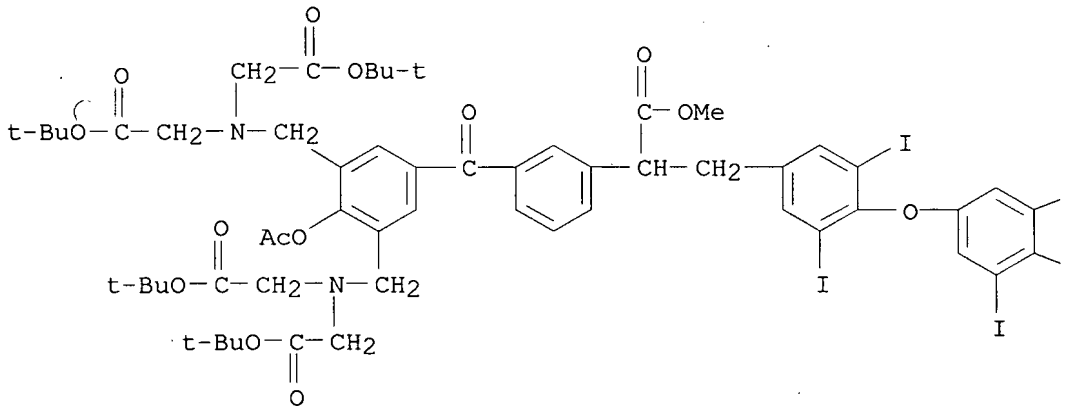
L13 ANSWER 10 OF 15 USPATFULL on STN
AN 89:45508 USPATFULL
TI Polypyridine Fluorescent labels for immunoassay

CAS ONLINE PRINTOUT

IN Toner, John L., Webster, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4837169 19890606
AI US 1987-40385 19870420 (7)
RLI Continuation-in-part of Ser. No. US 1987-7024, filed on 27 Jan 1987 which is a division of Ser. No. US 1986-825693, filed on 3 Feb 1986, now patented, Pat. No. US 4637988 which is a continuation of Ser. No. US 1981-279398, filed on 1 Jul 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Everett, John R.
CLMN Number of Claims: 16
ECL Exemplary Claim: 16
DRWN No Drawings
LN.CNT 865
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described stable fluorescent labels comprising a complex of Eu.sup.+3 and a chelating agent comprising a nucleus which is a triplet sensitizer having a triplet energy greater than that of Eu.sup.+3 and at least two heteroatom-containing groups which form coordinate complexes with Eu.sup.+3 and a third heteroatom-containing group or heteroatom in or appended to the triplet sensitizer. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, haptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 85929-38-0P
(preparation and hydrolysis of)
RN 85929-38-0 USPATFULL
CN Benzenepropanoic acid, α-[3-[4-(acetyloxy)-3,5-bis[[bis[2-(1,1-dimethylethoxy)-2-oxoethyl]amino]methyl]benzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, methyl ester (9CI) (CA INDEX NAME)

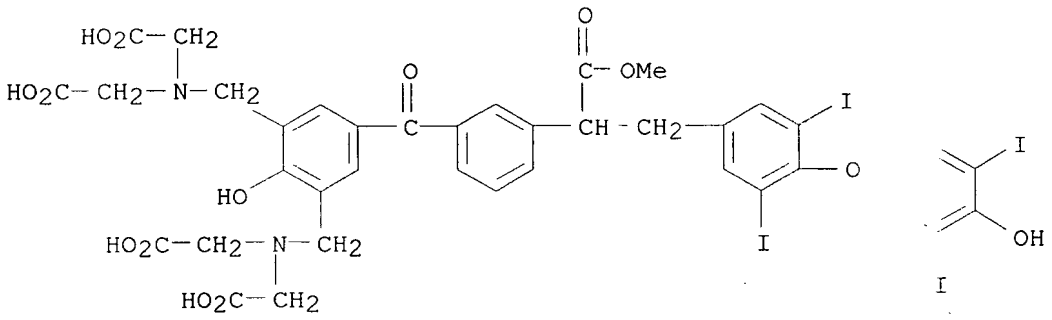
PAGE 1-A



I

OH

IT 85916-19-4P
(preparation of)
RN 85916-19-4 USPATFULL
CN Benzenepropanoic acid, α-[3-[3,5-bis[[bis(carboxymethyl)amino]met]-4-hydroxybenzoyl]phenyl]-4-(4-hydroxy-3,5-di ophenoxy)-3,5- odo-, α-methyl ester (9CI) (CA INDEX NAME)

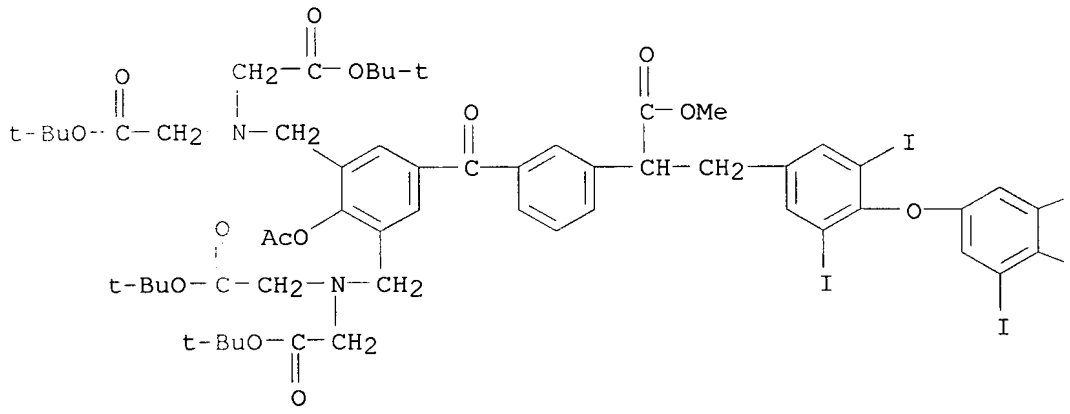


L13 ANSWER 11 OF 15 USPATFULL on STN
AN 89:7688 USPATFULL
TI Coumarin chelates
IN Hinshaw, Jerald C., Ogden, UT, United States
Toner, John L., Webster, NY, United States
Reynolds, George A., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4801722 19890131
AI US 1987-7024 19870127 (7)
RLI Division of Ser. No. US 1986-825693, filed on 3 Feb 1986, now patented, Pat. No. US 4637988 which is a continuation of Ser. No. US 1981-279398, filed on 1 Jul 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Everett, John R.
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 739
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described stable fluorescent labels comprising a complex of lanthanide metal and a chelating agent comprising a nucleus which is a triplet sensitizer having a triplet energy greater than that of said

lanthanide metal and at least two heteroatom-containing groups which form coordinate complexes with lanthanide metals and a third heteroatom-containing group or heteratom in or appended to the triplet sensitizer. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, heptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 85929-38-0P
(preparation and hydrolysis of)
RN 85929-38-0 USPATFULL
CN Benzenepropanoic acid, α-[3-[4-(acetyloxy)-3,5-bis[[bis[2-(1,1-dimethylethoxy)-2-oxoethyl]amino]methyl]benzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, methyl ester (9CI) (CA INDEX NAME)

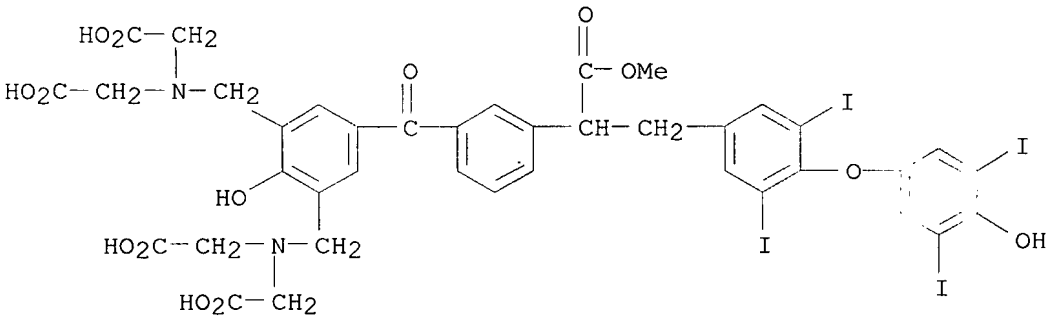
PAGE 1-A



PAGE 1-B

IT 85916-19-4P
(preparation of)
RN 85916-19-4 USPATFULL
CN Benzenepropanoic acid, α-[3-[3,5-bis[[bis(carboxymethyl)amino]methyl]-4-hydroxybenzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, α-methyl ester (9CI) (CA INDEX NAME)

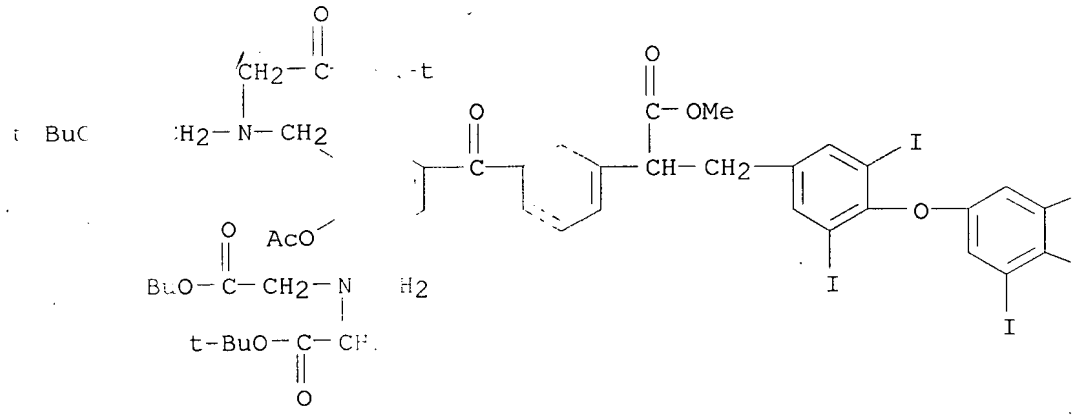
CAS ONLINE PRINTOUT



L13 ANSWER 12 OF 15 USPATFULL on STN
AN 88:83978 USPATFULL
TI Fluorescent chelates
IN Hinshaw, Jerald C., Ogden, UT, United States
Toner, John L., Webster, NY, United States
Reynolds, George A., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4794191 19881227
AI US 1988-151847 19880203 (7)
RLI Division of Ser. No. US 1987-7024, filed on 27 Jan 1987 which is a division of Ser. No. US 1986-825693, filed on 3 Feb 1986, now patented, Pat. No. US 4637988 which is a continuation of Ser. No. US 1981-279398, filed on 1 Jul 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Everett, John R.
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 738
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described stable fluorescent labels comprising a complex of lanthanide metal and a chelating agent comprising a nucleus which is a triplet sensitizer having a triple energy greater than that of said lanthanide metal and at least two heteroatom-containing groups which form coordinate complexes with lanthanide metals and a third heteroatom-containing group or heteratom in or appended to the triplet sensitizer. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, heptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

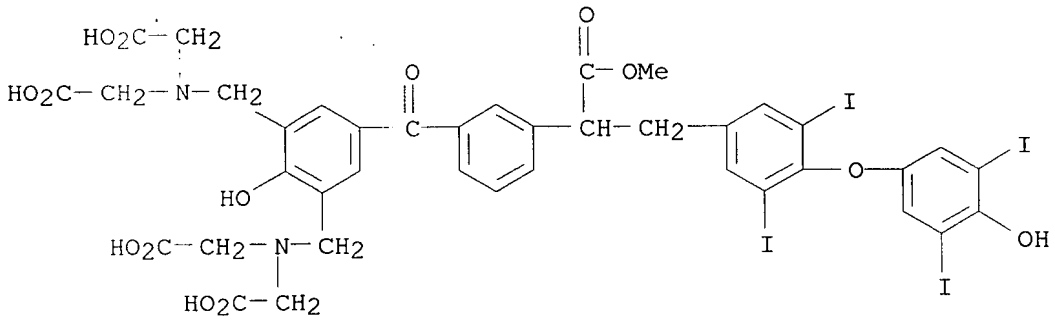
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 85929-38-0P
(preparation and hydrolysis of)
RN 85929-38-0 USPATFULL
CN Benzenepropanoic acid, α-[3-[4-(acetyloxy)-3,5-bis[[bis[2-(1,1-dimethylethoxy)-2-oxoethyl]amino]methyl]benzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

IT 85916-19-4P
(preparation of)
RN 85916-19-4 USPATFULL
CN Benzenepropanoic acid, α-[3-[3,5-bis[[bis(carboxymethyl)amino]methyl]-4-hydroxybenzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, α-methyl ester (9CI) (CA INDEX NAME)



L13 ANSWER 13 OF 15 USPATFULL on STN
AN 87:40012 USPATFULL
TI Phenolic fluorescent labels

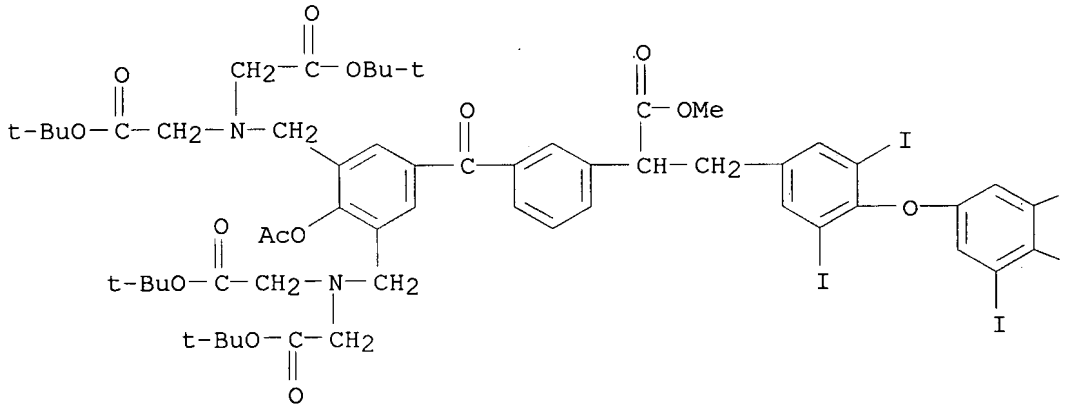
CAS ONLINE PRINTOUT

IN Hinshaw, Jerald C., Ogden, UT, United States
Toner, John L., Webster, NY, United States
Reynolds, George A., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4670572 19870602
AI US 1986-825009 19860203 (6)
RLI Division of Ser. No. US 1981-279398, filed on 1 Jul 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Everett, John R.
CLMN Number of Claims: 10
ECL Exemplary Claim: 10
DRWN No Drawings
LN.CNT 755
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB There are described stable fluorescent labels comprising a complex of lanthanide metal and a chelating agent comprising a nucleus which is a triplet sensitizer having a triplet energy greater than that of said lanthanide metal and at least two heteroatom-containing groups which form coordinate complexes with lanthanide metals and a third heteroatom-containing group or heteratom in or appended to the triplet sensitizer. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, heptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 85929-38-0P
(preparation and hydrolysis of)
RN 85929-38-0 USPATFULL
CN Benzenepropanoic acid, α-[3-[4-(acetyloxy)-3,5-bis[[bis[2-(1,1-dimethylethoxy)-2-oxoethyl]amino]methyl]benzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, methyl ester (9CI) (CA INDEX NAME)

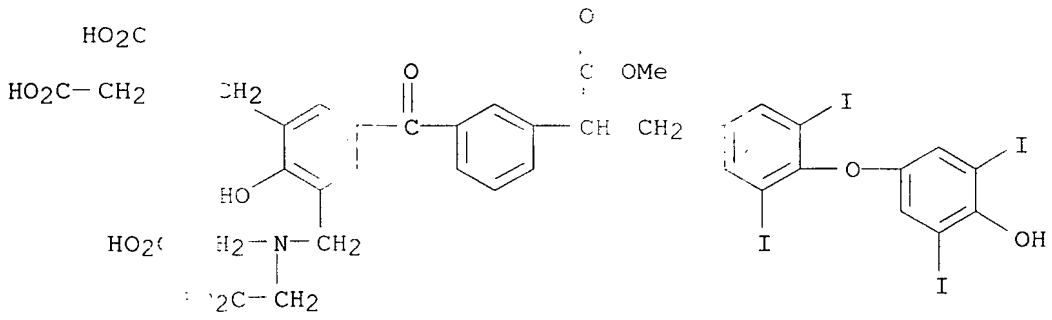
PAGE 1-A



I

OH

IT 85916 4P
(aration of)
RN 8591 -4 USPATFULL
CN Benz ropanoic acid, α-[3-[3, bis[is(carboxymethyl)amino]methyl]-4 droxybenzoyl]phenyl]-4- 4-hydr xy-3,5-diiodophenoxy)-3,5-diiodo-, α- yl ester (9CI) (CA INDEX NAM



L13 ANSWE 14 OF 15 USPATFULL on STN
AN 87:4 68 USPATFULL
TI Fluorescent labels for immunoassay
IN Hinshaw, Jerald C., Ogden, UT, United States
Toner, John L., Webster, NY, United States
Reynolds, George A., Rochester, NY, United States
PA Eastman Kodak Company, Rochester, NY, United States (U.S. corporation)
PI US 4637988 19870120
AI US 1986-825693 19860203 (6)
RLI Continuation of Ser. No. US 1981-279398, filed on 1 Jul 1981, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Schwartz, Richard A.
LREP Rosenstein, Arthur H.
CLMN Number of Claims: 30
ECL Exemplary Claim: 28
DRWN No Drawings
LN.CNT 972
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There are described stable fluorescent labels comprising a complex of lanthanide metal and a chelating agent comprising a nucleus which is a triplet sensitizer having a triplet energy greater than that of said lanthanide metal and at least two heteroatom-containing groups which

form coordinate complexes with lanthanide metals and a third heteroatom-containing group or heteratom in or appended to the triplet sensitizer. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, heptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

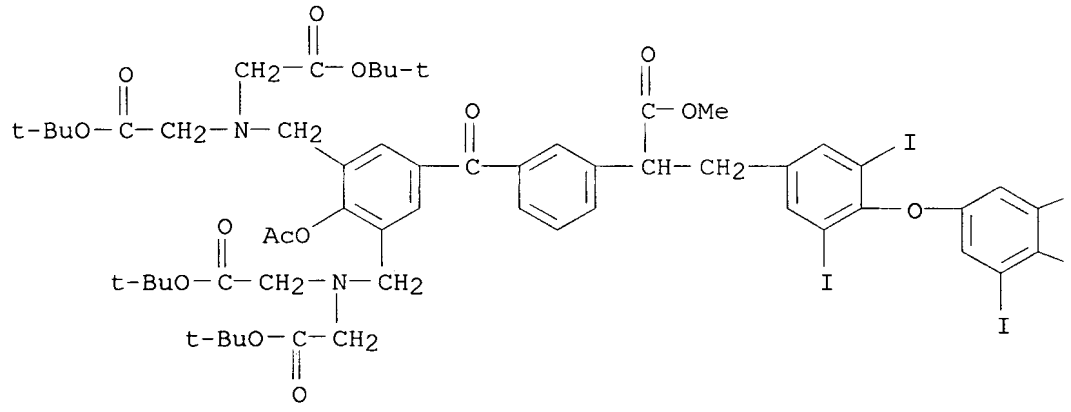
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 85929-38-0P
(preparation and hydrolysis of)

RN 85929-38-0 USPATFULL

CN Benzenepropanoic acid, α-[3-[4-(acetyloxy)-3,5-bis[[bis[2-(1,1-dimethylethoxy)-2-oxoethyl]amino]methyl]benzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



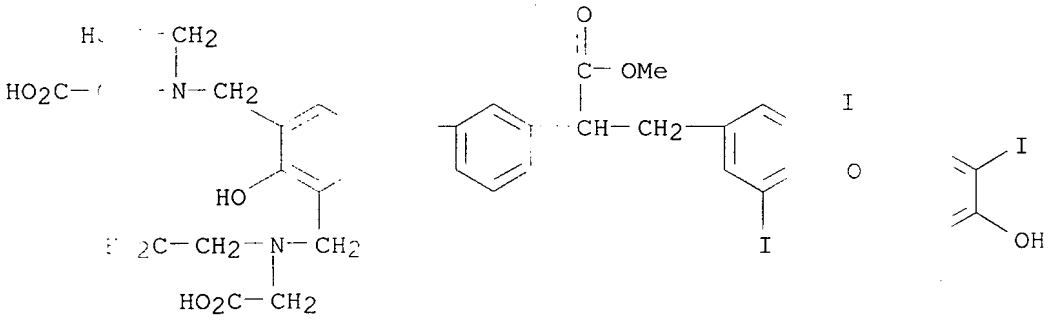
PAGE 1-B

IT 85916-19-4P
(preparation of)

RN 85916-19-4 USPATFULL

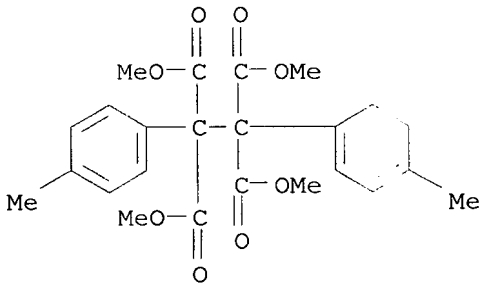
CN Benzenepropanoic acid, α-[3-[3,5-bis[[bis(carboxymethyl)amino]methyl]-4-hydroxybenzoyl]phenyl]-4-(4-hydroxy-3,5-diiodophenoxy)-3,5-diiodo-, α-methyl ester (9CI) (CA INDEX NAME)

CAS ON .E PRINTOUT



L13 AN WER 15 OF 15 ATFULL on STN
AN 5:37832 USPAT
TI olymerization ethylenically unsaturated monc s with
,1,2,2-tetracar alkoxy-diaryl-ethane
IN de Jongh, Hendr A. P., Oss, Netherlands
E Jonge, Corne R. H. I., De Steeg, Netherla
PA Akzo N.V., Arnhe Netherlands (non-U.S. corpora n)
PI US 3896099 19750722
AI US 1973-401604 19730928 (5)
RLI Continuation-in t of Ser. No. US 1971-159949, led on Jul 1971, now abandoned
PRAI NL 1970-9925 19700703
DT Utility
FS Granted
EXNAM Primary Examiner: Schofer, Joseph L.; Assistant Examiner: Michl, Paul R.
LREP Stevens, Davis, Miller & Mosher
CLMN Number of Claims: 4
ECL Exemplary Claim:
DRWN No Drawings
LN.CNT 265
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A process for the free radical-initiated polymer ation of ethylenically unsaturated monomers in the presence of a free r. cal initiator compound comprising a 1,1,2,2-tetracarboalkoxy-d. aryl-ethane.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 34404-72-3
(catalysts, for polymerization of styrene)
RN 34404-72-3 USPATFULL
CN 1,1,2,2-Ethanetetracarboxylic acid, 1,2-bis(4-methylphenyl)-, tetramethyl ester (9CI) (CA INDEX NAME)



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